

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

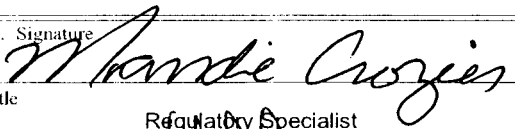
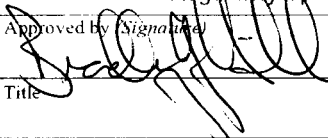
FORM APPROVED  
OMB No. 1004-0136  
Expires January 31, 2004

1a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. UTU-74392
1b. Type of Well: <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other <input checked="" type="checkbox"/> Single Zone <input type="checkbox"/> Multiple Zone		6. If Indian, Allottee or Tribe Name N/A
2. Name of Operator Newfield Production Company		7. If Unit or CA Agreement, Name and No. N/A
3a. Address Route #3 Box 3630, Myton UT 84052		8. Lease Name and Well No. Federal 15-22-9-16
3b. Phone No. (include area code) (435) 646-3721		9. API Well No. 43-013-33167
4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface SW/SE 355' FSL 1987' FEL 576603X 40.010069 At proposed prod. zone 4429050Y -110.102484		10. Field and Pool, or Exploratory Monument Butte
11. Sec., T., R., M., or Blk. and Survey or Area SW/SE Sec. 22, T9S R16E		12. County or Parish Duchesne
13. State UT		14. Distance in miles and direction from nearest town or post office* Approximately 25.5 miles southwest of Myton, Utah
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) Approx. 2285' f/lse, NA f/unit	16. No. of Acres in lease 2080.00	17. Spacing Unit dedicated to this well 40 Acres
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. Approx. 1531'	19. Proposed Depth 5900'	20. BLM/BIA Bond No. on file UTB000192
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 5846' GL	22. Approximate date work will start* 3rd Quarter 2006	23. Estimated duration Approximately seven (7) days from spud to rig release

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No.1, shall be attached to this form:

- |   |  |
|---|--|
| 1. Well plat certified by a registered surveyor.  | 4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).    |
| 2. A Drilling Plan.   | 5. Operator certification.   |
| 3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office). | 6. Such other site specific information and/or plans as may be required by the authorized officer. |

25. Signature 	Name (Printed/Typed) Mandie Crozier	Date 4/25/06
Title Regulatory Specialist		
Approved by (Signature) 	Name (Printed/Typed) BRADLEY G. HILL	Date 06-08-06
Title Officer	ENVIRONMENTAL MANAGER	

Application approval does not warrant or certify the the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

\*(Instructions on reverse)

Federal Approval of this  
Action Is Necessary

RECEIVED

APR 26 2006

DIV. OF OIL, GAS & MINING

9 MILE 15-22-9-16  
(Surface Location) NAD 83  
LATITUDE = 40° 00' 36.09"  
LONGITUDE = 110° 06' 10.93"



June 1, 2006,

Utah Division of Oil, Gas & Mining  
P.O. Box 145801  
Attn: Diana Whitney  
Salt Lake City, Utah 84114-5801

Re: Exception Locations:  
Federal 11-19-9-16; Federal 14-19-9-16; UTU-74391  
Federal 10-22-9-16; Federal 15-22-9-16; UTU-74392  
Duschene Cty., Utah

Dear Ms. Whitney:

Pursuant to Rule R649-3-3 of the Oil & Gas Rules and Regulations of the State of Utah, Newfield Production Company, Inc. hereby requests an exception location for the drilling of the captioned well. Rule R649-3-2 requires a well to be located in the center of a forty (40) acre quarter-quarter section, or a substantially equivalent lot or tract, with a tolerance of two hundred (200) feet in any direction from the center.

Federal 11-19-9-16; 1778' FSL, 2197' FWL; 1' South, 107' East of drilling window  
Federal 14-19-9-16; 452' FSL, 2258' FWL; 8' South, 167' East of drilling window  
Federal 10-22-9-16; 1736' FSL, 2137' FEL; 56' South of the drilling window  
Federal 15-22-9-16; 355 FSL, 1987' FEL; 109' South of the drilling window

The attached plats depict the proposed drillsite locations and illustrate the deviation from the drilling window, in accordance with Rule R649-3-2. The requested locations have all been selected due to the extreme terrain.

The locations are found within the two federal leases referenced above. The drillsite leases and all surrounding acreage within a four hundred sixty foot (460') radius of the proposed location are owned by Newfield Production Company, Yates Petroleum Corporation, Yates Drilling Company, Myco Industries, Inc. and Abo Petroleum Corporation. We have contacted these owners and their consent to this location is attached.

If you have any questions or need additional information please contact me at (303)-382-4448.  
Thank you for your assistance in this matter.

Sincerely,  
NEWFIELD PRODUCTION COMPANY

A handwritten signature in cursive script, reading "Laurie Deseau".

Laurie Deseau  
Properties Administrator

**RECEIVED**

**JUN 08 2006**

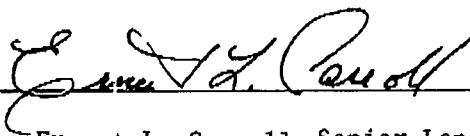
**DIV. OF OIL, GAS & MINING**

Exception Locations

Federal 11-19-9-16; Federal 14-19-9-16; UTU-74391

Federal 10-22-9-16; Federal 15-22-9-16; UTU-74392

Please be advised that Yates Petroleum Corporation, Yates Drilling Company, Myco Industries, Inc. and Abo Petroleum Corporation do not have an objection to the proposed locations of the aforementioned wells.

By: 

Date: May 18, 2006

Ernest L. Carroll, Senior Land Man  
Print Name and Title





April 25, 2006

State of Utah  
Division of Oil, Gas & Mining  
Attn: Diana Whitney  
1594 West North Temple - Suite 1210  
P.O. Box 145801  
Salt Lake City, Utah 84114-5801

RE: Applications for Permit to Drill: Federal 7-19-9-16, 10-19-9-16, 11-19-9-16, 14-19-9-16, 15-19-9-16, 16-19-9-16, 15-21-9-16, 16-21-9-16, 10-22-9-16, and 15-22-9-16.

Dear Diana:

Enclosed find APD's on the above referenced wells. The proposed 11-19-9-16, 14-19-9-16, 10-22-9-16, and 15-22-9-16 are all Exception Locations. Our Land Department will send you the required Exception Location Letters. If you have any questions, feel free to give either Shon Mckinnon or myself a call.

Sincerely,

A handwritten signature in cursive script that reads "Mandie Crozier".

Mandie Crozier  
Regulatory Specialist

mc  
enclosures

RECEIVED  
APR 26 2006

DIV. OF OIL, GAS & MINING

**NEWFIELD PRODUCTION COMPANY  
FEDERAL #15-22-9-16  
SW/SE SECTION 22, T9S, R16E  
DUCHESNE COUNTY, UTAH**

**ONSHORE ORDER NO. 1**

**DRILLING PROGRAM**

**1. GEOLOGIC SURFACE FORMATION:**

Uinta formation of Upper Eocene Age

**2. ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS:**

Uinta	0' – 2190'
Green River	2190'
Wasatch	5900'

**3. ESTIMATED DEPTHS OF ANTICIPATED WATER, OIL, GAS OR MINERALS:**

Green River Formation 2190' – 5900' - Oil

**4. PROPOSED CASING PROGRAM**

Please refer to the Monument Butte Field Standard Operation Procedure (SOP).

**5. MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL:**

Please refer to the Monument Butte Field SOP. See Exhibit "C".

**6. TYPE AND CHARACTERISTICS OF THE PROPOSED CIRCULATION MUDS:**

Please refer to the Monument Butte Field SOP.

**7. AUXILIARY SAFETY EQUIPMENT TO BE USED:**

Please refer to the Monument Butte Field SOP.

**8. TESTING, LOGGING AND CORING PROGRAMS:**

Please refer to the Monument Butte Field SOP.

**9. ANTICIPATED ABNORMAL PRESSURE OR TEMPERATURE:**

The anticipated maximum bottom hole pressure is 1800 psi. It is not anticipated that abnormal temperatures will be encountered.

**10. ANTICIPATED STARTING DATE AND DURATION OF THE OPERATIONS:**

Please refer to the Monument Butte Field SOP.

**NEWFIELD PRODUCTION COMPANY  
FEDERAL #15-22-9-16  
SW/SE SECTION 22, T9S, R16E  
DUCHESNE COUNTY, UTAH**

**ONSHORE ORDER NO. 1**

**MULTI-POINT SURFACE USE & OPERATIONS PLAN**

**1. EXISTING ROADS**

See attached Topographic Map "A"

To reach Newfield Production Company well location site Federal #15-22-9-16 located in the SW 1/4 SE 1/4 Section 22, T9S, R16E, Duchesne County, Utah:

Proceed southwesterly out of Myton, Utah along Highway 40 - 1.6 miles  $\pm$  to the junction of this highway and UT State Hwy 53; proceed southwesterly - 10.9 miles  $\pm$  to it's junction with an existing road to the northeast; proceed northeasterly and then southwesterly - 10.1 miles  $\pm$  to it's junction with an existing road to the southeast; proceed southeasterly and then northeasterly - 0.9 miles  $\pm$  to it's junction with the beginning of the proposed access road to the southeast; proceed southeasterly and then northeasterly - 1.5 miles  $\pm$  to the proposed well location.

**2. PLANNED ACCESS ROAD**

See Topographic Map "B" for the location of the proposed access road.

**3. LOCATION OF EXISTING WELLS**

Refer to Exhibit "B".

**4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES**

All permanent surface equipment will be painted Carlsbad Canyon.  
Please refer to the Monument Butte Field Standard Operating Procedure (SOP).

**5. LOCATION AND TYPE OF WATER SUPPLY**

Please refer to the Monument Butte Field SOP. See Exhibit "A".

**6. SOURCE OF CONSTRUCTION MATERIALS**

Please refer to the Monument Butte Field SOP.

**7. METHODS FOR HANDLING WASTE DISPOSAL**

Please refer to the Monument Butte Field SOP.

**8. ANCILLARY FACILITIES**

Please refer to the Monument Butte Field SOP.

9. **WELL SITE LAYOUT**

See attached Location Layout Diagram.

10. **PLANS FOR RESTORATION OF SURFACE**

Please refer to the Monument Butte Field SOP.

11. **SURFACE OWNERSHIP** - Bureau Of Land Management (Proposed location and access roads leading to).

12. **OTHER ADDITIONAL INFORMATION**

The Archaeological Resource Survey and Paleontological Resource Survey for this area are attached. MOAC Report #05-240, 7/25/05. Paleontological Resource Survey prepared by, Wade E. Miller, 9/28/05. See attached report cover pages, Exhibit "D".

For the Federal #15-22-9-16 Newfield Production Company requests 8010' of disturbed area be granted in Lease UTU-74392 to allow for construction of the proposed access road. **Refer to Topographic Map "B"**. The proposed access road will be an 18' crown road (9' either side of the centerline) with drainage ditches along either side of the proposed road whether it is deemed necessary in order to handle any run-off from normal meteorological conditions that are prevalent to this area. The maximum grade will be less than 8%. There will be no culverts required along this access road. There will be barrow ditches and turnouts as needed along this road. There are no fences encountered along this proposed road. There will be no new gates or cattle guards required. All construction material for this access road will be borrowed material accumulated during construction of the access road.

Newfield Production Company requests 8010' of disturbed area be granted in Lease UTU-74392 to allow for construction of the proposed gas lines. It is proposed that the disturbed area will be 50' wide to allow for construction of a 6" gas gathering line, and a 3" poly fuel gas line. Both lines will tie in to the existing pipeline infrastructure. **Refer to Topographic Map "C."** For a ROW plan of development, please refer to the Monument Butte Field SOP.

Newfield Production Company requests 8010' of disturbed area be granted in Lease UTU-74392 to allow for construction of the proposed water lines. It is proposed that the disturbed area will be 50' wide to allow for construction of a buried 3" steel water injection line and a buried 3" poly water return line. **Refer to Topographic Map "C."** For a ROW plan of development, please refer to the Monument Butte Field SOP.

**Exceptional Spacing**

According to Rule R649-3-2, which governs the location of wells in the State of Utah, Newfield Production is required to request administrative approval for a location exception from all non-unitized lease interest owners within a 460-foot radius of the new proposed location. Our Land Department in Denver has been notified of this exception location and will submit the required Exception Location Letter to all affected lease interest owners.

**Water Disposal**

Immediately upon first production, all produced water will be confined to a steel storage tank. If the production water meets quality guidelines, it is transported to the Ashley, Monument Butte, Jonah, and Beluga water injection facilities by company or contract trucks. Subsequently, the produced water is injected into approved Class II wells to enhance Newfield's secondary recovery project.

Water not meeting quality criteria, is disposed at Newfield's Pariette #4 disposal well (Sec. 7, T9S R19E) or at State of Utah approved surface disposal facilities.

**Threatened, Endangered, And Other Sensitive Species**

None.

**Reserve Pit Liner**

A 12 mil liner with felt is required. Please refer to the Monument Butte Field SOP.

**Location and Reserve Pit Reclamation**

Please refer to the Monument Butte Field SOP.

The following seed mixture will be used on the topsoil stockpile, to the recontoured surface of the reserve pit, and for final reclamation: (All poundages are in pure live seed)

Western Wheatgrass	<i>Pascopyrum Smithii</i>	6 lbs/acre
Galletta Grass	<i>Hilaria Jamesii</i>	6 lbs/acre

**Details of the On-Site Inspection**

The proposed Federal #15-22-9-16 was on-sited on 3/17/06. The following were present: Shon Mckinnon (Newfeild Production), Chris Carusona (Bureau of Land Management), and Brandon McDonald (Bureau of Landmanagement). Weather conditions were clear and ground cover was 30% open.

**13. LESSEE'S OR OPERATORS REPRESENTATIVE AND CERTIFICATION**

Representative

Name: Shon Mckinnon  
Address: Route #3 Box 3630  
Myton, UT 84052  
Telephone: (435) 646-3721

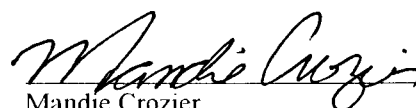
Certification

Please be advised that NEWFIELD PRODUCTION COMPANY is considered to be the operator of well #15-22-9-16 SW/SE Section 22, Township 9S, Range 16E: Lease UTU-74392 Duchesne County, Utah: and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond coverage is provided by US Specialty Insurance #B001832.

I hereby certify that the proposed drillsite and access route have been inspected, and I am familiar with the conditions which currently exist; that the statements made in this plan are true and correct to the best of my knowledge; and that the work associated with the operations proposed here will be performed by Newfield Production Company and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

4/25/06

Date

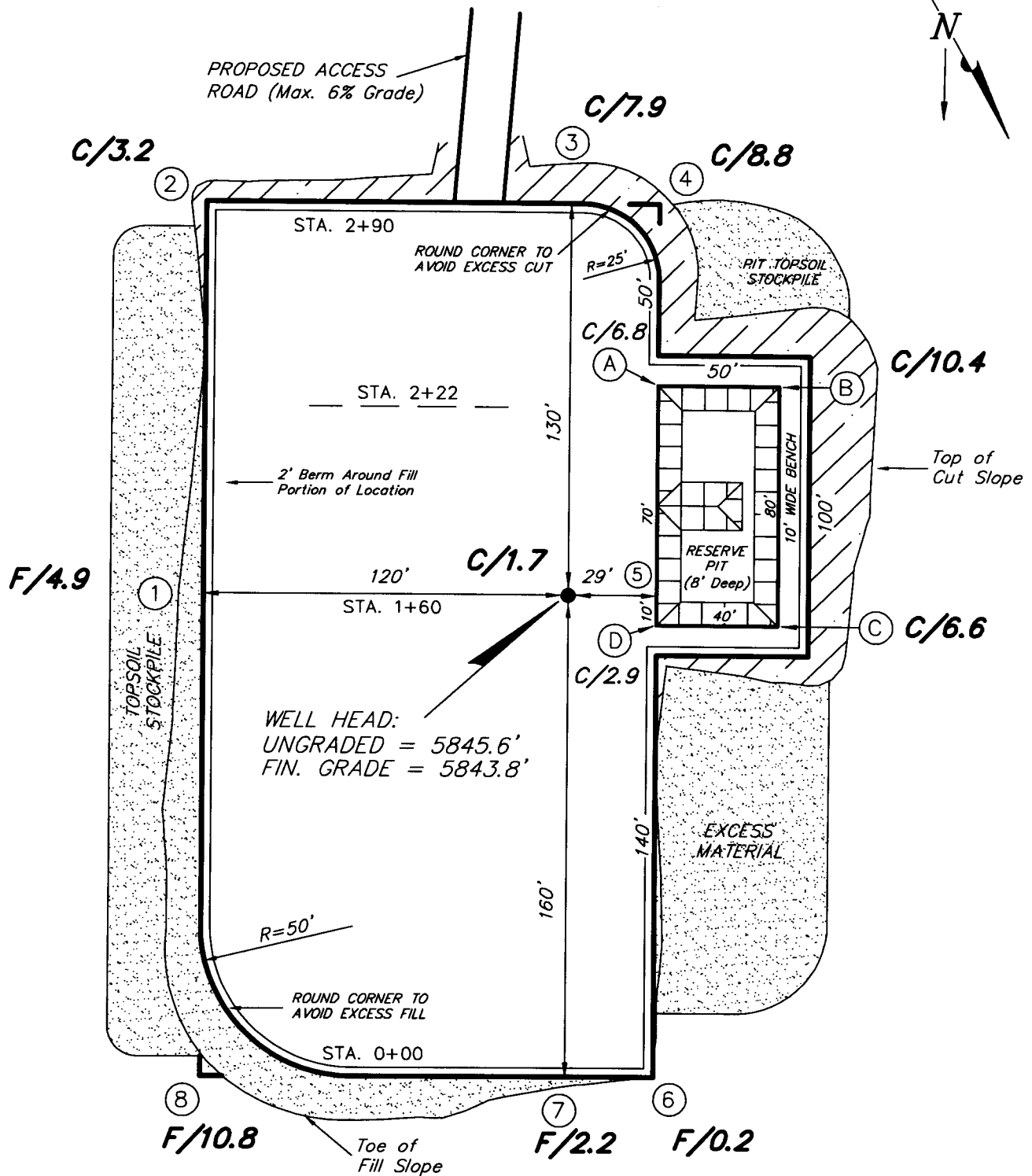
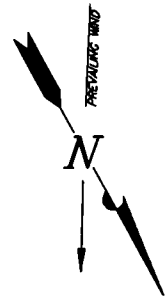


Mandie Crozier  
Regulatory Specialist  
Newfield Production Company

NEWFIELD PRODUCTION COMPANY

9 MILE 15-22-9-16

Section 22, T9S, R16E, S.L.B.&M.



## REFERENCE POINTS

170' SOUTHEASTERLY = 5836.3'

220' SOUTHEASTERLY = 5836.3'

SURVEYED BY: C.M.

SCALE:  $1'' = 50'$

DRAWN BY: M.W.

DATE: 4-5-06

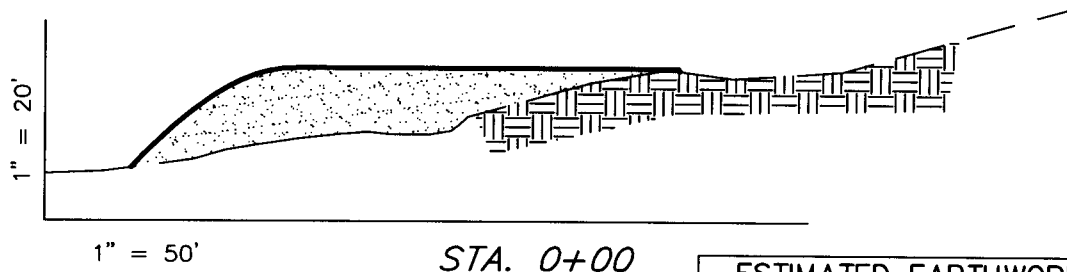
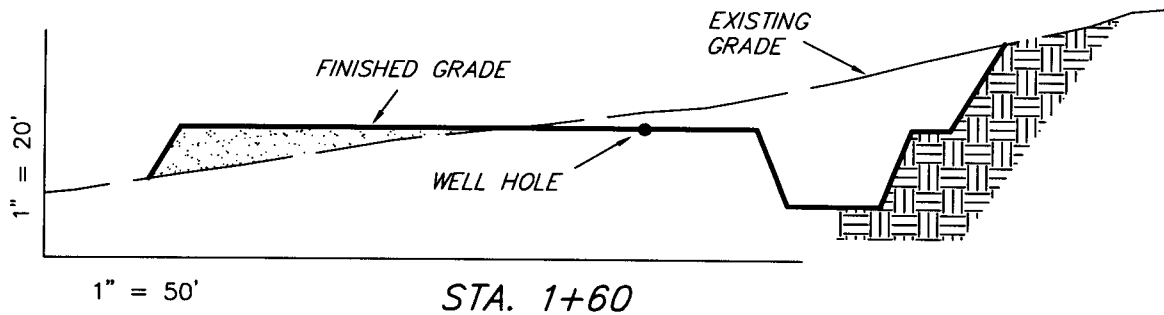
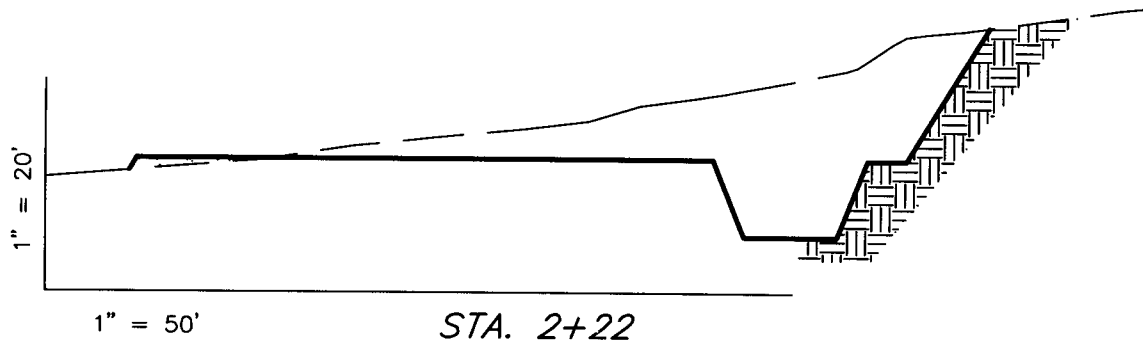
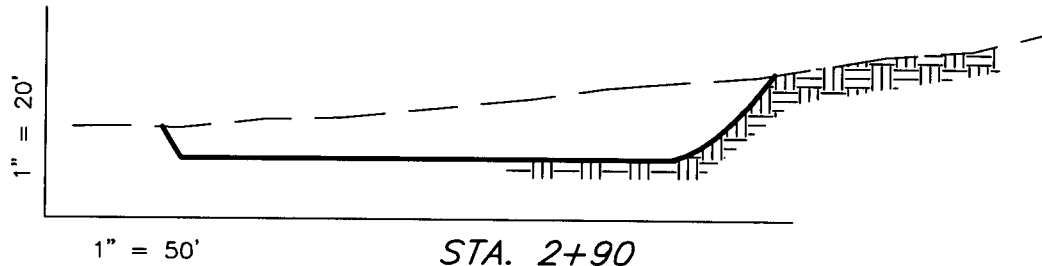
**Tri State** (435) 781-2501  
Land Surveying, Inc.  
180 NORTH VERNAL AVE. VERNAL, UTAH 84078

180 NORTH VERNAL AVE. VERNAL, UTAH 84078

# NEW FIELD PRODUCTION COMPANY

## CROSS SECTIONS

9 MILE 15-22-9-16



NOTE:  
UNLESS OTHERWISE NOTED  
ALL CUT/FILL SLOPES ARE  
AT 1.5:1

ESTIMATED EARTHWORK QUANTITIES  
(No Shrink or swell adjustments have been used)  
(Expressed in Cubic Yards)

ITEM	CUT	FILL	6" TOPSOIL	EXCESS
PAD	3,720	3,720	Topsoil is not included in Pad Cut	0
PIT	640	0		640
TOTALS	4,360	3,720	1,050	640

SURVEYED BY: C.M.

SCALE: 1" = 50'

DRAWN BY: M.W.

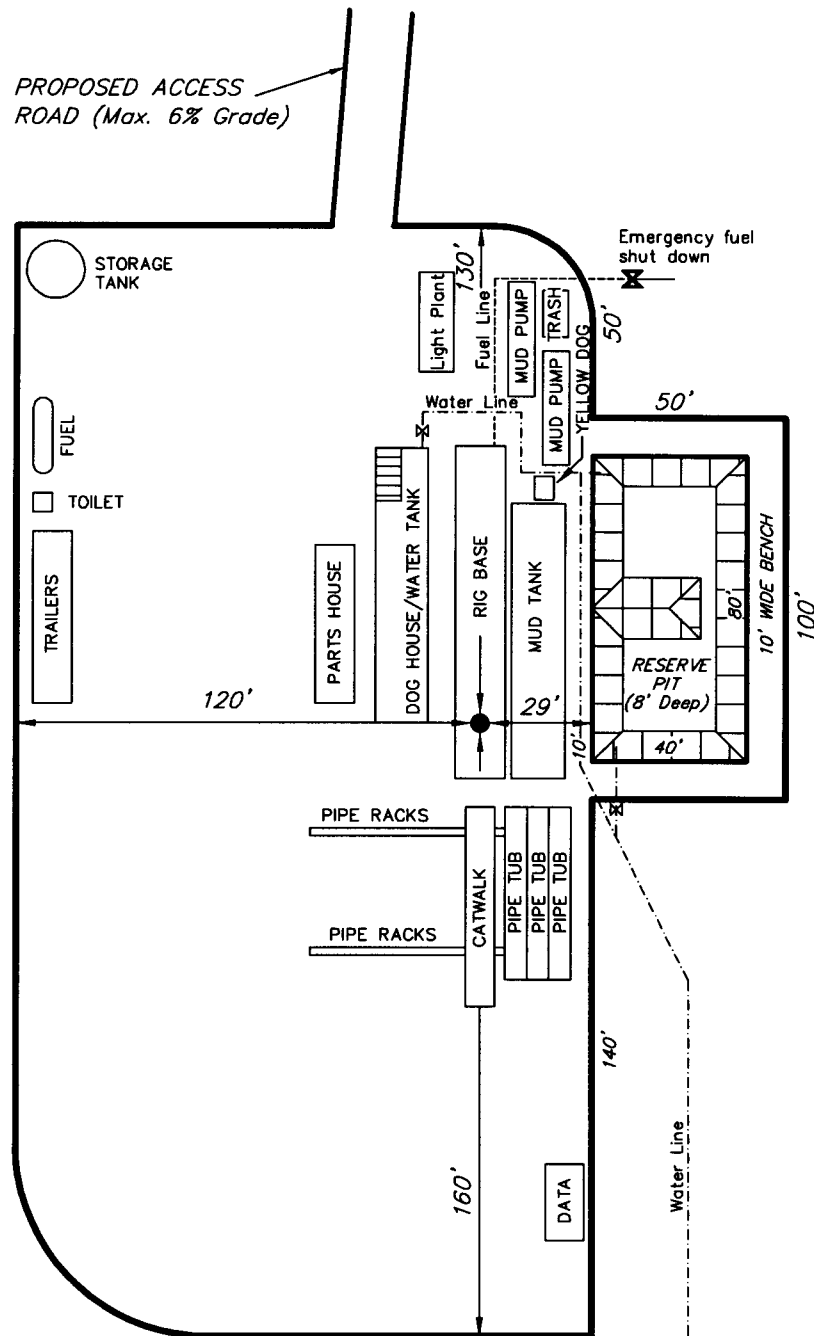
DATE: 4-5-06

**Tri State**  
Land Surveying, Inc.  
180 NORTH VERNAL AVE. VERNAL, UTAH 84078  
(435) 781-2501

# NEWFIELD PRODUCTION COMPANY

## TYPICAL RIG LAYOUT

### 9 MILE 15-22-9-16



SURVEYED BY: C.M.

SCALE: 1" = 50'

DRAWN BY: M.W.

DATE: 4-5-06

**Tri State**  
Land Surveying, Inc.  
180 NORTH VERNAL AVE. VERNAL, UTAH 84078  
(435) 781-2501



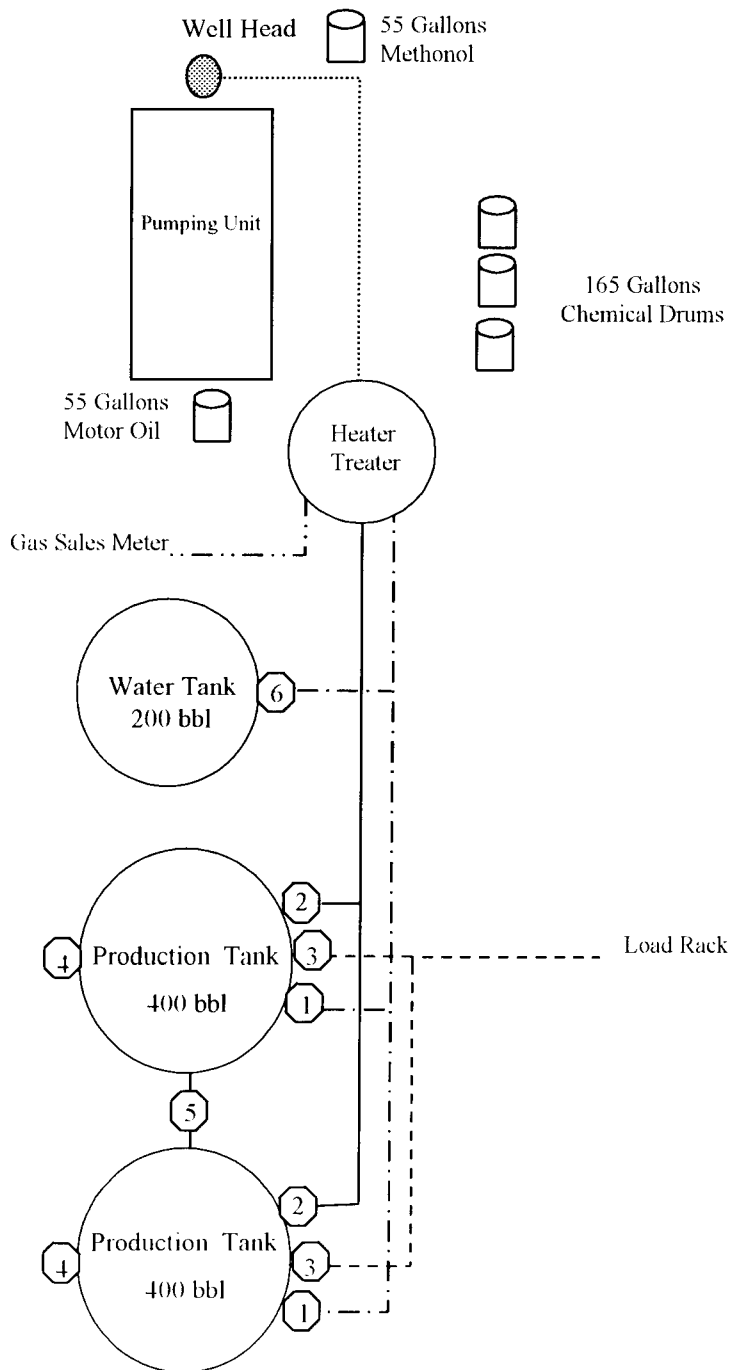
# Newfield Production Company Proposed Site Facility Diagram

Federal 15-22-9-16

SW/SE Sec. 22, T9S, 16E

Duchesne County, Utah

UTU-74392



## Legend

<b>Emulsion Line</b>	.....
<b>Load Rack</b>	-----
<b>Water Line</b>	- - - - -
<b>Gas Sales</b>	.....
<b>Oil Line</b>	—————

## Production Phase:

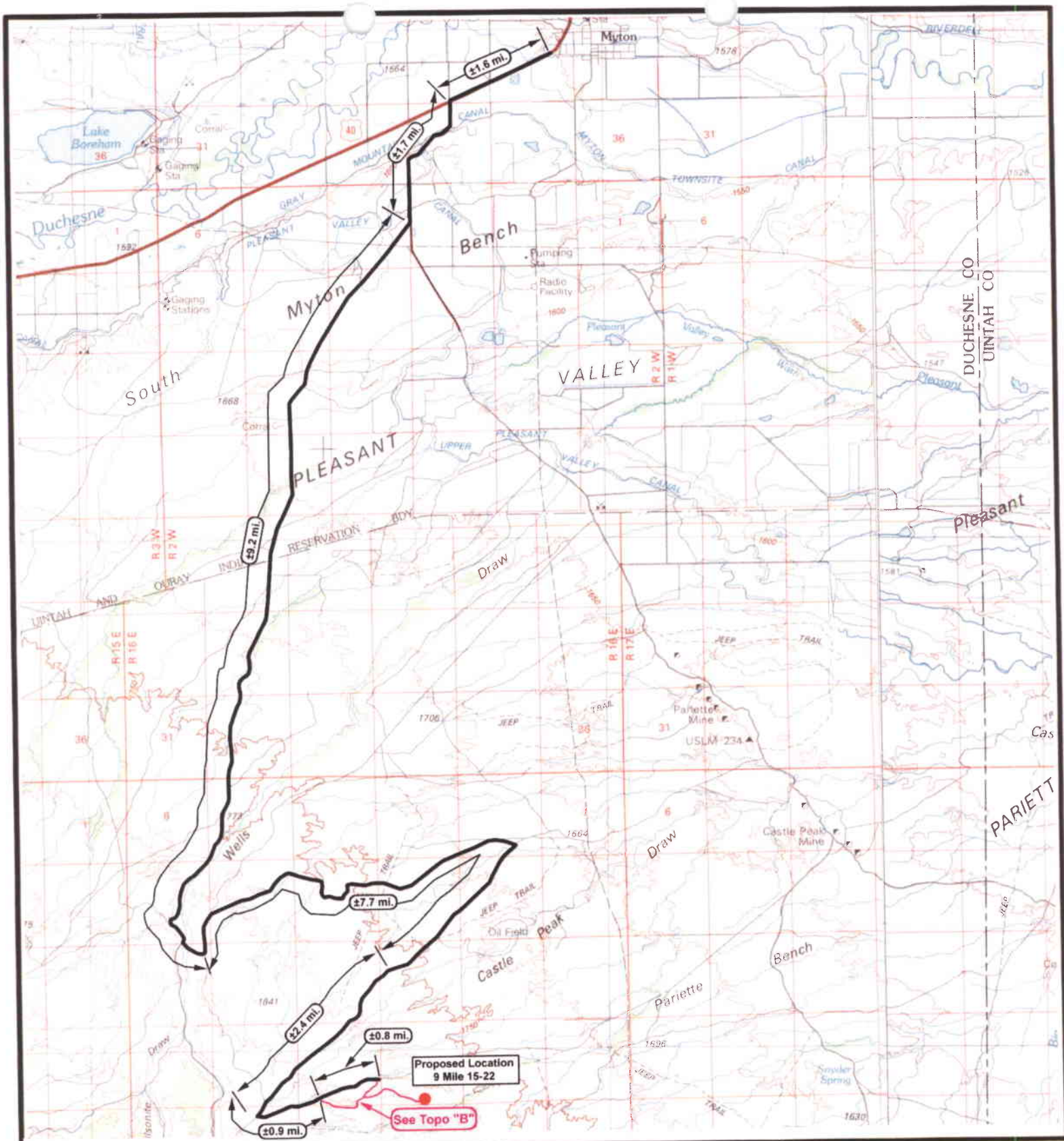
- 1) Valves 1, 3, and 4 sealed closed
- 2) Valves 2, 5, and 6 sealed open

## Sales Phase:

- 1) Valves 1, 2, 4, 5, and 6 sealed closed
- 2) Valve 3 open

## Draining Phase:

- 1) Valves 1 and 6 open



**NEWFIELD**  
Exploration Company

**9 Mile 15-22-9-16**  
**SEC. 22, T9S, R16E, S.L.B.&M.**



**Tri-State**  
*Land Surveying Inc.*  
(435) 781-2501  
180 North Vernal Ave. Vernal, Utah 84078

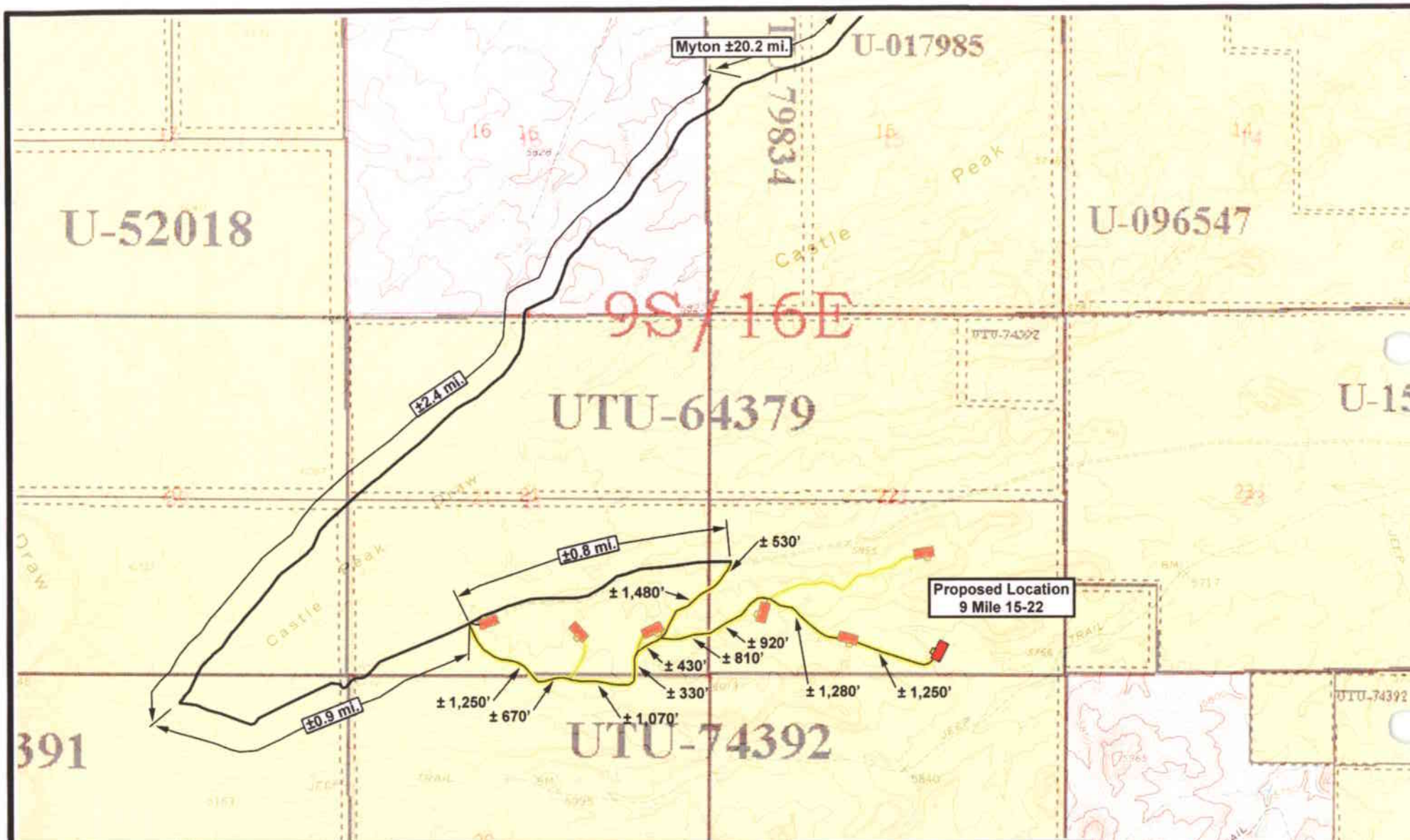
**SCALE:** 1 = 100,000  
**DRAWN BY:** mw  
**DATE:** 04-04-2006

**Legend**  
— Existing Road  
— Proposed Access

**TOPOGRAPHIC MAP**

**"A"**





**NEWFIELD**  
Exploration Company

**9 Mile 15-22-9-16**  
**SEC. 22, T9S, R16E, S.L.B.&M.**



**Tri-State**  
Land Surveying Inc.  
(435) 781-2501  
180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1" = 2,000'

DRAWN BY: mw

DATE: 04-04-2006

**Legend**

Existing Road

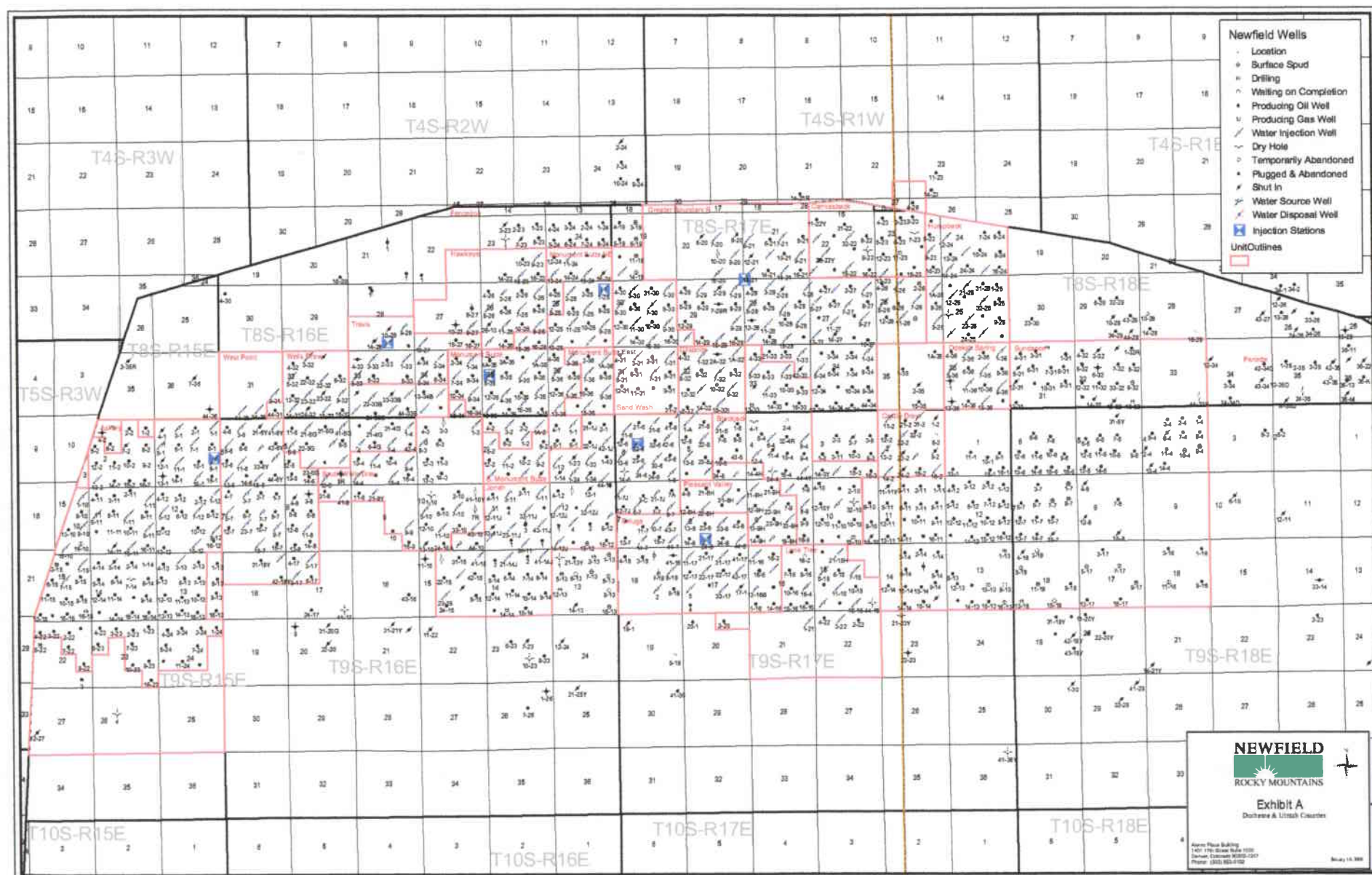
Proposed Access

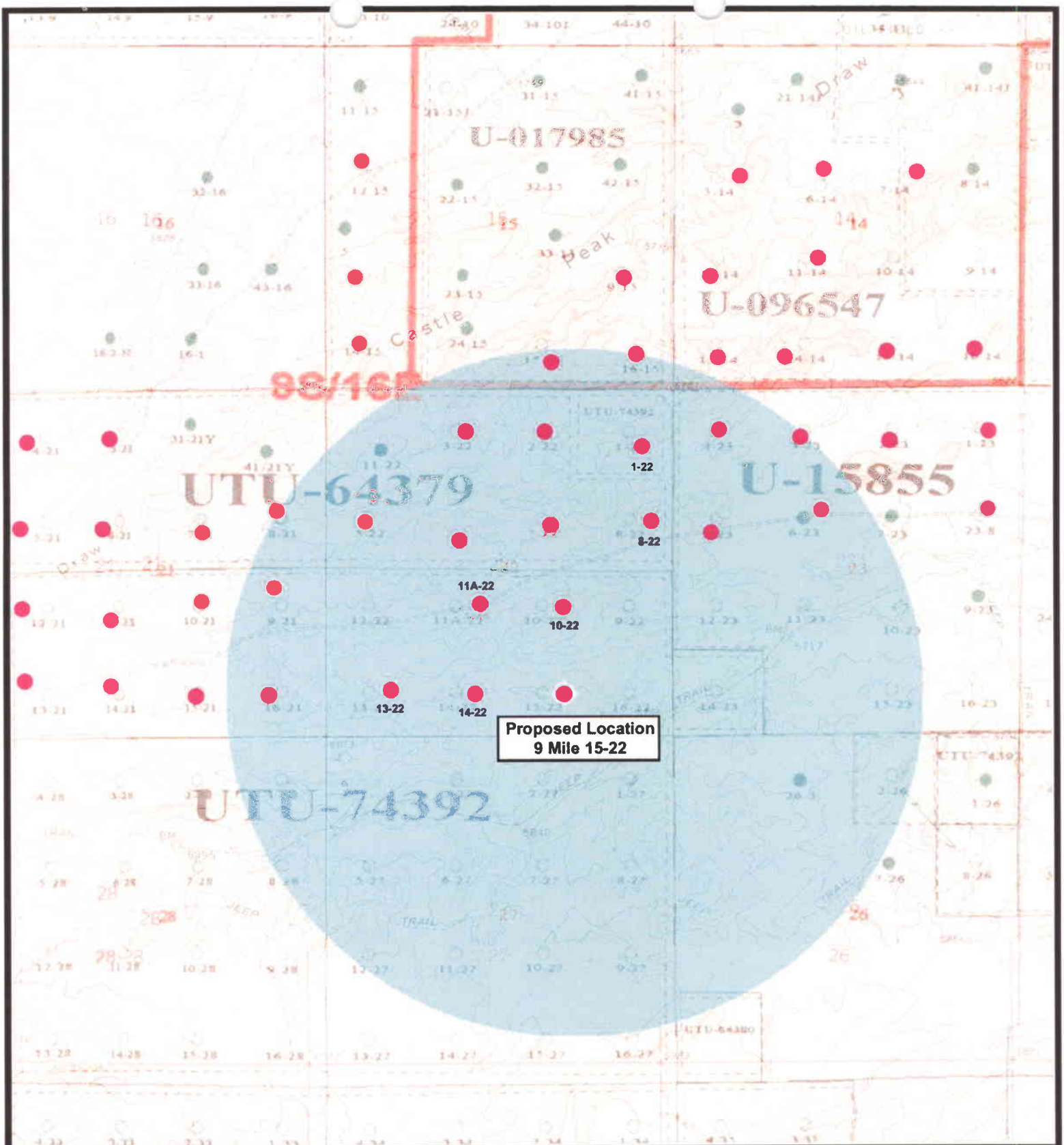
TOPOGRAPHIC MAP

**"B"**









Proposed Location  
9 Mile 15-22



**NEWFIELD**  
Exploration Company

**9 Mile 15-22-9-16**  
**SEC. 22, T9S, R16E, S.L.B.&M.**



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Land Surveying Inc.  
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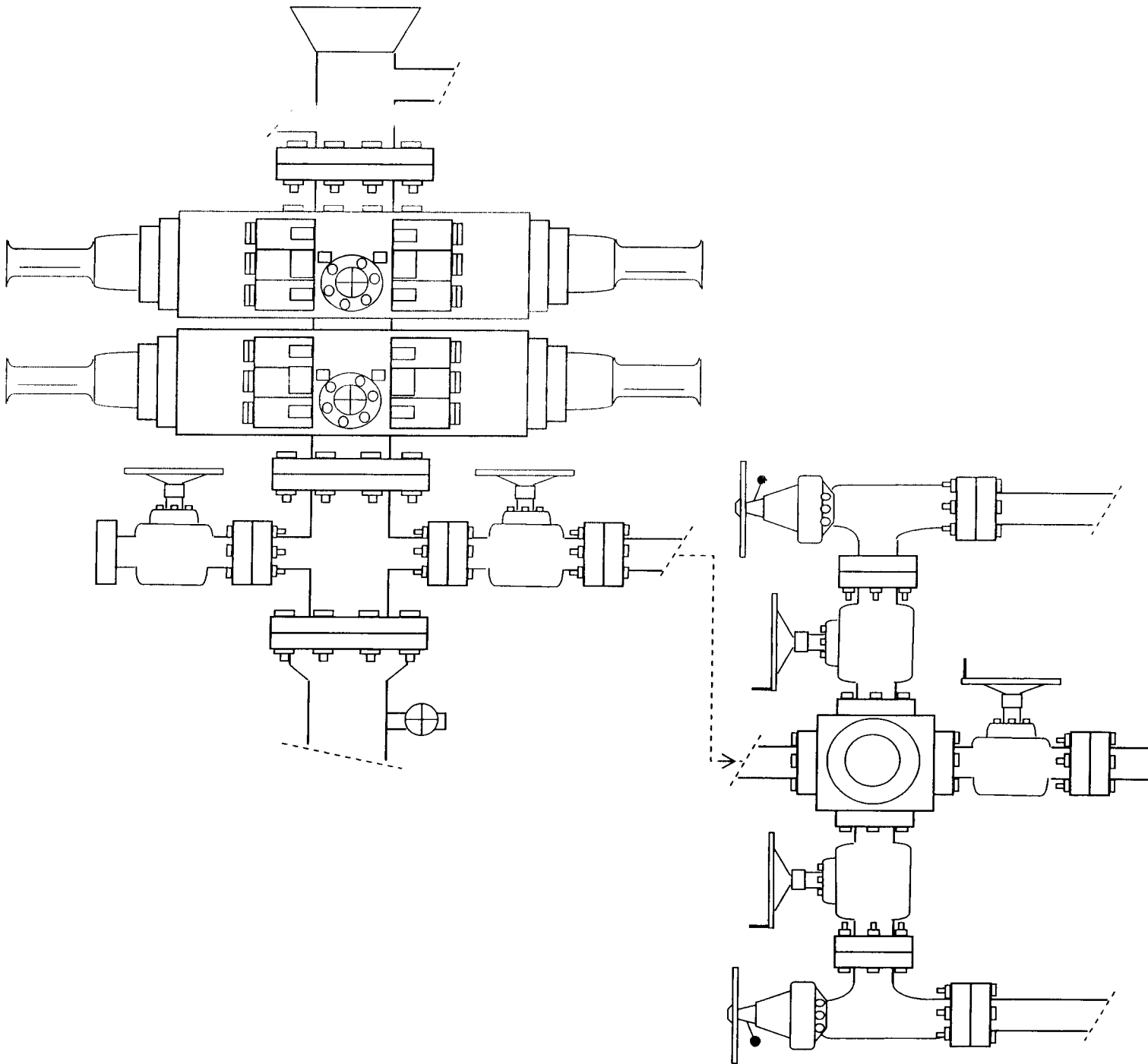
**SCALE: 1" = 2,000'**  
**DRAWN BY: mw**  
**DATE: 04-04-2006**

**Legend**

● **Well Locations**  
● **One-Mile Radius**

**Exhibit "B"**

**2-M SYSTEM**  
Blowout Prevention Equipment Systems



**EXHIBIT C**

Exhibit "D"  
Page 1 of 2

CULTURAL RESOURCE INVENTORY OF  
NEWFIELD EXPLORATION'S BLOCK PARCEL  
IN TOWNSHIP 9S, RANGE 16E, SECTION 21 and 22,  
DUCHESNE COUNTY, UTAH

By:

Katie Simon

Prepared For:

Bureau of Land Management  
Vernal Field Office

Prepared Under Contract With:

Newfield Exploration Company  
Rt. 3 Box 3630  
Myton, UT 84052

Prepared By:

Montgomery Archaeological Consultants, Inc.  
P.O. Box 147  
Moab, Utah 84532

MOAC Report No. 05-240

July 25, 2005

United States Department of Interior (FLPMA)  
Permit No. 05-UT-60122

State of Utah Antiquities Project (Survey)  
Permit No. U-05-MQ-0709b



**NEWFIELD PRODUCTION COMPANY**

**PALEONTOLOGICAL FIELD SURVEY OF PROPOSED  
PRODUCTION DEVELOPMENT AREAS,  
DUCHESNE COUNTY, UTAH**

SW 1/4, SE 1/4, and SW 1/4, Section 9 [9,11,12,13 & 14-9-9-16]; Entire Section 22 (excluding NE 1/4, NE 1/4 & NW 1/4, NW 1/4) [2,3,5 through 16-9-9-16]; Entire Section 23 (excluding SE 1/4, NW 1/4, SW 1/4, NE 1/4, NE 1/4 & NW 1/4, SE 1/4) [1 through 5, 8,11 through 16-9-9-16]; Entire Section 24 (excluding SW 1/4, NW 1/4) [1 through 4, 6 through 16-9-9-16] all in Township 9 South, Range 16 East

**REPORT OF SURVEY**

Prepared for:

**Newfield Production Company**

Prepared by:

Wade E. Miller  
Consulting Paleontologist  
September 28, 2005

**WORKSHEET**  
**APPLICATION FOR PERMIT TO DRILL**

APD RECEIVED: 04/26/2006

API NO. ASSIGNED: 43-013-33167

WELL NAME: FEDERAL 15-22-9-16

OPERATOR: NEWFIELD PRODUCTION ( N2695 )

CONTACT: MANDIE CROZIER

PHONE NUMBER: 435-646-3721

**PROPOSED LOCATION:**

SWSE 22 090S 160E

SURFACE: 0355 FSL 1987 FEL

BOTTOM: 0355 FSL 1987 FEL

COUNTY: DUCHESNE

LATITUDE: 40.01007 LONGITUDE: -110.1025

UTM SURF EASTINGS: 576603 NORTHINGS: 4429050

FIELD NAME: MONUMENT BUTTE ( 105 )

INSPECT LOCATN BY: / /

**Tech Review**

**Initials**

**Date**

Engineering

Geology

Surface

LEASE TYPE: 1 - Federal

LEASE NUMBER: UTU-74392

SURFACE OWNER: 1 - Federal

PROPOSED FORMATION: GRRV

COALBED METHANE WELL? NO

**RECEIVED AND/OR REVIEWED:**

☒ Plat

☒ Bond: Fed[1] Ind[] Sta[] Fee[]  
(No. UTB000192 )

☒ Potash (Y/N)

☒ Oil Shale 190-5 (B) or 190-3 or 190-13

☒ Water Permit  
(No. MUNICIPAL )

☒ RDCC Review (Y/N)  
(Date: )

☒ Fee Surf Agreement (Y/N)

☒ Intent to Commingle (Y/N)

**LOCATION AND SITING:**

\_\_\_ R649-2-3.

Unit: \_\_\_\_\_

\_\_\_ R649-3-2. General

Siting: 460 From Qtr/Qtr & 920' Between Wells

☒ R649-3-3. Exception

\_\_\_ Drilling Unit

Board Cause No: \_\_\_\_\_

Eff Date: \_\_\_\_\_

Siting: \_\_\_\_\_

\_\_\_ R649-3-11. Directional Drill

COMMENTS:

*See Separate File*

STIPULATIONS:

*1- Federal Approval  
2- Spacing Strip*

# MONUMENT BUTTE FIELD

T9S R16E

OPERATOR: NEWFIELD PROD CO (N2695)

SEC: 22 T. 9S R. 16E

FIELD: MONUMENT BUTT (105)

COUNTY: DUCHESNE

SPACING: R649-3-3 / EXCEPTION LOCATION

**Field Status**  
 [ ] ABANDONED  
 [ ] ACTIVE  
 [ ] COMBINED  
 [ ] INACTIVE  
 [ ] PROPOSED  
 [ ] STORAGE  
 [ ] TERMINATED

**Unit Status**  
 [ ] EXPLORATORY  
 [ ] GAS STORAGE  
 [ ] NF PP OIL  
 [ ] NF SECONDARY  
 [ ] PENDING  
 [ ] PI OIL  
 [ ] PP GAS  
 [ ] PP GEOTHERML  
 [ ] PP OIL  
 [ ] SECONDARY  
 [ ] TERMINATED

**Wells Status**  
 [ ] GAS INJECTION  
 [ ] GAS STORAGE  
 [ ] LOCATION ABANDONED  
 [ ] NEW LOCATION  
 [ ] PLUGGED & ABANDONED  
 [ ] PRODUCING GAS  
 [ ] PRODUCING OIL  
 [ ] SHUT-IN GAS  
 [ ] SHUT-IN OIL  
 [ ] TEMP. ABANDONED  
 [ ] TEST WELL  
 [ ] WATER INJECTION  
 [ ] WATER SUPPLY  
 [ ] WATER DISPOSAL  
 [ ] DRILLING



Utah Oil Gas and Mining



PREPARED BY: DIANA WHITNEY  
 DATE: 27-APRIL-2006



**State of Utah**

**Department of  
Natural Resources**

MICHAEL R. STYLER  
*Executive Director*

**Division of  
Oil, Gas & Mining**

JOHN R. BAZA  
*Division Director*

JON M. HUNTSMAN, JR.  
*Governor*

GARY R. HERBERT  
*Lieutenant Governor*

June 8, 2006

Newfield Production Company  
Rt. 3, Box 3630  
Myton, UT 84052

Re: Federal 15-22-9-16 Well, 355' FSL, 1987' FEL, SW SE, Sec. 22, T. 9 South,  
R. 16 East, Duchesne County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. § 40-6-1 *et seq.*, Utah Administrative Code R649-3-1 *et seq.*, and the attached Conditions of Approval, approval to drill the referenced well is granted.

Appropriate information has been submitted to DOGM and administrative approval of the requested exception location is hereby granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-013-33167.

Sincerely,

A handwritten signature in black ink, appearing to read "Gil Hunt".

Gil Hunt  
Associate Director

pab  
Enclosures

cc: Duchesne County Assessor  
Bureau of Land Management, Vernal District Office

**Operator:** Newfield Production Company  
**Well Name & Number** Federal 15-22-9-16  
**API Number:** 43-013-33167  
**Lease:** UTU-74392

**Location:** SW SE                      **Sec.** 22                      **T.** 9 South                      **R.** 16 East

### **Conditions of Approval**

**1. General**

Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

**2. Notification Requirements**

Notify the Division within 24 hours of spudding the well.

- Contact Carol Daniels at (801) 538-5284.

Notify the Division prior to commencing operations to plug and abandon the well.

- Contact Dan Jarvis at (801) 538-5338

**3. Reporting Requirements**

All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

**4. State approval of this well does not supersede the required federal approval, which must be obtained prior to drilling.**

**5. This proposed well is located in an area for which drilling units (well spacing patterns) have not been established through an order of the Board of Oil, Gas and Mining (the "Board"). In order to avoid the possibility of waste or injury to correlative rights, the operator is requested, once the well has been drilled, completed, and has produced, to analyze geological and engineering data generated therefrom, as well as any similar data from surrounding areas if available. As soon as is practicable after completion of its analysis, and if the analysis suggests an area larger than the quarter-quarter section upon which the well is located is being drained, the operator is requested to seek an appropriate order from the Board establishing drilling and spacing units in conformance with such analysis by filing a Request for Agency Action with the Board.**

# RECEIVED

Form 3160-3  
(September 2001)

APR 26 2006

FORM APPROVED  
OMB No. 1004-0136  
Expires January 31, 2004

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

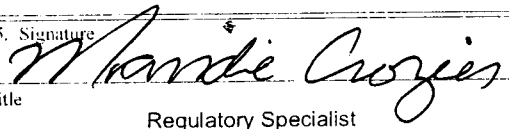
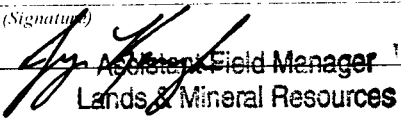
APPLICATION FOR PERMIT TO DRILL OR REENTER

1a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. UTU-74392
1b. Type of Well: <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other <input checked="" type="checkbox"/> Single Zone <input type="checkbox"/> Multiple Zone		6. If Indian, Allottee or Tribe Name N/A
2. Name of Operator Newfield Production Company		7. If Unit or C/A Agreement, Name and No. N/A
3a. Address Route #3 Box 3630, Myton UT 84052	3b. Phone No. (include area code) (435) 646-3721	8. Lease Name and Well No. Federal 15-22-9-16
4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface SW/SE 355' FSL 1987' FEL At proposed prod. zone		9. API Well No. 43-013-33167
10. Field and Pool, or Exploratory Monument Butte		11. Sec., T., R., M., or Blk. and Survey or Area SW/SE Sec. 22, T9S R16E
12. Distance in miles and direction from nearest town or post office* Approximatley 25.5 miles southwest of Myton, Utah		12. County or Parish Duchesne
13. State UT		
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) Approx. 2285' f/lse, NA f/unit	16. No. of Acres in lease 2080.00	17. Spacing Unit dedicated to this well 40 Acres
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. Approx. 1531'	19. Proposed Depth 5900'	20. BLM/BIA Bond No. on file UTB000192
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 5846' GL	22. Approximate date work will start* 3rd Quarter 2006	23. Estimated duration Approximately seven (7) days from spurt to rig release.

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No.1, shall be attached to this form:

1. Well plat certified by a registered surveyor.
2. A Drilling Plan.
3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).
4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
5. Operator certification.
6. Such other site specific information and/or plans as may be required by the authorized officer.

25. Signature 	Name (Printed/Typed) Mandie Crozier	Date 4/25/06
Title Regulatory Specialist		
Approved by (Signature) 	Name (Printed/Typed) JERRY KEWATZ	Date 2-8-2007
Title Assistant Field Manager Lands & Mineral Resources	Office	

Application approval does not warrant or certify the the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Conditions of approval, if any, are attached.

CONDITIONS OF APPROVAL ATTACHED

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

\*(Instructions on reverse)

NOTICE OF APPROVAL

RECEIVED

JAN 14 2007

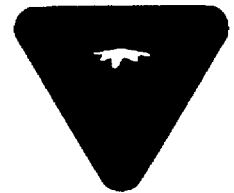
DIV. OF OIL, GAS & MINING

078M4745A

UDOGM



**UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
VERNAL FIELD OFFICE  
170 South 500 East      VERNAL, UT 84078      (435) 781-4400**



**CONDITIONS OF APPROVAL FOR APPLICATION FOR PERMIT TO DRILL**

<b>Company:</b>	<b>Newfield Production Company</b>	<b>Location:</b>	<b>SWSE, Sec 22, T9S, R16E</b>
<b>Well No:</b>	<b>Federal 15-22-9-16</b>	<b>Lease No:</b>	<b>UTU-74392</b>
<b>API No:</b>	<b>43-013-33167</b>	<b>Agreement:</b>	<b>N/A</b>

Petroleum Engineer:	Ryan Angus	Office: 435-781-4430	Cell: 435-828-
Petroleum Engineer:	James Ashley	Office: 435-781-4470	Cell: 435-828-7874
Petroleum Engineer:	Matt Baker	Office: 435-781-4490	Cell: 435-828-4470
Petroleum Engineer:	Michael Lee	Office: 435-781-4432	
Supervisory Petroleum Technician:	Jamie Sparger	Office: 435-781-4502	Cell: 435-828-3913
NRS/Environmental Scientist:	Scott Ackerman	Office: 435-781-4437	
NRS/Environmental Scientist:	Paul Buhler	Office: 435-781-4475	Cell: 435-828-4029
NRS/Environmental Scientist:	Jannice Cutler	Office: 435-781-3400	
NRS/Environmental Scientist:	Michael Cutler	Office: 435-781-3401	
NRS/Environmental Scientist:	Anna Figueroa	Office: 435-781-3407	
NRS/Environmental Scientist:	Melissa Hawk	Office: 435-781-4476	
NRS/Environmental Scientist:	Chuck Macdonald	Office: 435-781-4441	
NRS/Environmental Scientist:	Nathan Packer	Office: 435-781-3405	
NRS/Environmental Scientist:	Verlyn Pindell	Office: 435-781-3402	
NRS/Environmental Scientist:	Holly Villa	Office: 435-781-4404	
NRS/Environmental Scientist:	Darren Williams	Office: 435-781-4447	
NRS/Environmental Scientist:	Karl Wright	Office: 435-781-4484	
<b>After Hours Contact Number: 435-781-4513</b>		<b>Fax: 435-781-4410</b>	

**A COPY OF THESE CONDITIONS SHALL BE FURNISHED TO YOUR  
FIELD REPRESENTATIVE TO INSURE COMPLIANCE**

All lease and/or unit operations are to be conducted in such a manner that full compliance is made with the applicable laws, regulations (43 CFR Part 3160), and this approved Application for Permit to Drill including Surface and Downhole Conditions of Approval. The operator is considered fully responsible for the actions of his subcontractors. A copy of the approved APD must be on location during construction, drilling, and completion operations. **This permit is approved for a one-year period. An additional year extension may be applied for by sundry notice prior to expiration.**

**NOTIFICATION REQUIREMENTS**

Location Construction (Notify NRS)	-	Forty-Eight (48) hours prior to construction of location and access roads.
Location Completion (Notify NRS)	-	Prior to moving on the drilling rig.
Spud Notice (Notify Petroleum Engineer)	-	Twenty-Four (24) hours prior to spudding the well.
Casing String & Cementing (Notify Supervisory Petroleum Technician)	-	Twenty-Four (24) hours prior to running casing and cementing all casing
BOP & Related Equipment Tests (Notify Supervisory Petroleum Technician)	-	Twenty-Four (24) hours prior to initiating pressure tests.
First Production Notice (Notify Petroleum Engineer)	-	Within Five (5) business days after new well begins or production resumes after well has been off production for more than ninety (90) days.

***SURFACE USE PROGRAM  
CONDITIONS OF APPROVAL (COAs)***

**STIPULATIONS:**

1. Adhere to Executive Order 5327 of April 15, 1930, stipulations for lands in oil shale withdrawal.
2. Lease Notices from RMP: Lessee/operator is given notice the area has been identified as containing Golden Eagle and Ferruginous Hawk habitat. Modifications may be required in the Surface Use Plan to protect the Golden Eagle and Ferruginous Hawk and/or their habitat from surface disturbing activities in accordance with Section 6 of the lease terms, Endangered Species Act, and 43 CFR 3101.1-2.  
Comments: None of the suspected species (or their burrows or nests) was identified on or near the location.
3. Notice to Lessee- Oil and Gas Lease Qualifications:
4. This lease is the under the provisions of the Mineral Leasing Act (MLA) of 1920, as amended by the Federal Coal Leasing Amendments Act of 1976, affect an entity's qualifications to obtain an oil and gas lease.

**CONDITIONS OF APPROVAL:**

1. This well is being approved in accordance with Washington Instruction Memorandum 2005-247 and Section 390 (Category 3) of the Energy Policy Act which establishes statutory categorical exclusions (CX) under the National Environmental Policy Act (NEPA). Category 3 states that an oil or gas well can be drilled within a developed field for which an approved land use plan or any environmental document prepared pursuant to NEPA analyzed drilling as a reasonably foreseeable activity, so long as such plan or document was approved within five (5) years prior to the date of spudding the well. This well is covered under the *Final Environmental Impact Statement and Record of Decision Castle Peak and Eightmile Flat Oil and Gas Exploration Project Newfield Rocky Mountains Inc.*, signed August 24, 2005. If the well has not been spudded by August 24, 2010, a new environmental document will have to be prepared prior to the approval of the APD.
2. All applicable local, state, and/or federal laws, regulations, and/or statutes will be complied with.
3. All traffic related to this action will be restricted to approved routes. Cross-country vehicle travel will not be allowed.
4. No vehicle travel, construction or routine maintenance activities shall be performed during periods when the soil is too wet to adequately support vehicles and/or construction equipment. If such equipment creates ruts in excess of four inches deep, the soil shall be deemed too wet to adequately support construction equipment.
5. The access road will be crowned and ditched. Flat-bladed roads are not allowed.
6. If additional erosion occurs during the life of this project, more culverts, low water crossings, berms, wing ditches or etc. will be needed to control the erosion.



7. Low-water crossings will be appropriately constructed to avoid sedimentation of drainage ways and other water resources.
8. Pipelines will be buried at all major drainage crossings.
9. Prevent fill and stock piles from entering drainages.
10. The reserve pit will be lined with a 12 ml or greater liner and felt prior to spudding.
11. The liner is to be cut 5 feet below ground surface or at the level of the cuttings, whichever is deeper, and the excess liner material is to be disposed of at an authorized disposal site.
12. When the reserve pit contains fluids or toxic substances, the operator must ensure animals do not ingest or become entrapped in pit fluids.
  1. If paleontologic or cultural materials are uncovered during construction, the operator shall immediately stop work that might further disturb or move such materials and contact the Authorized Officer (AO) within 48 hours. A determination will be made by the AO as to necessary mitigation for the discovered paleontologic/cultural material.
  2. If Uinta Basin hookless cactus or other special status plants are found, construction will cease and the AO will be notified to determine the appropriate mitigation.
13. The interim seed mix for this location shall be:

Crested wheatgrass ( <i>Agropyron cristatum</i> ):	4 lbs/acre
Needle and Threadgrass ( <i>Hesperostipa comata</i> ):	4 lbs/acre
Indian Ricegrass ( <i>Achnatherum hymenoides</i> ):	4 lbs/acre

All pounds are in pure live seed.  
Rates are set for drill seeding; double the rate if broadcasting.  
Reseeding may be required if initial seeding is not successful.
14. The operator will be responsible for treatment and control of invasive and noxious weeds.
15. The topsoil from the reserve pit shall be stripped and piled separately near the reserve pit. When the reserve pit is closed, it shall be re-contoured and the topsoil re-spread, and the area shall be seeded in the same manner as the location topsoil.
16. Once the location is plugged and abandoned, it shall be re-contoured to natural topology, topsoil shall be re-spread, and the entire location shall be seeded with a seed mix recommended by the AO (preferably of native origin). Seed application will follow all guidelines in the interim seed mix bullet statement above. If reclamation seeding shall take place using the broadcast method, the seed at a minimum will be walked into the soil with a dozer immediately after the seeding is completed.

17. The authorized officer may prohibit surface disturbing activities during severe winter conditions to minimize watershed damage. This limitation does not apply to operation and maintenance of producing wells.
18. The authorized officer may prohibit surface disturbing activities during wet or muddy conditions to minimize watershed damage. This limitation does not apply to operation and maintenance of producing wells.
19. All well facilities not regulated by OSHA will be painted Carlsbad Canyon.
20. All boulders with a length or diameter greater than 3 feet, that are found showing at the surface, will be stockpiled for use during final reclamation.
21. Notify the Authorized Officer 48 hours prior to surface disturbing activities.

### ***DOWNHOLE CONDITIONS OF APPROVAL***

**All provisions outlined in Onshore Oil & Gas Order #2 Drilling Operations shall be strictly adhered to.** The following items are emphasized:

#### **SITE SPECIFIC DOWNHOLE CONDITIONS OF APPROVAL**

1. Production casing cement shall be brought up and into the surface.

#### **DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS**

1. There shall be no deviation from the proposed drilling, completion, and/or workover program as approved. Safe drilling and operating practices must be observed. All wells, whether drilling, producing, suspended, or abandoned, shall be identified in accordance with 43 CFR 3162.6. There shall be a sign or marker with the name of the operator, lease serial number, well number, and surveyed description of the well. Any changes in operation must have prior approval from the BLM, Vernal Field Office Petroleum Engineers.
2. The spud date and time shall be reported orally to Vernal Field Office within 24 hours of spudding.
3. **Notify Vernal Field Office Supervisory Petroleum Engineering Technician at least 24 hours in advance of casing cementing operations and BOPE & casing pressure tests.**
4. Blowout prevention equipment (BOPE) shall remain in use until the well is completed or abandoned. Closing unit controls shall remain unobstructed and readily accessible at all times. Choke manifolds shall be located outside of the rig substructure.

All BOPE components shall be inspected daily and those inspections shall be recorded in the daily drilling report. Components shall be operated and tested as required by Onshore Oil & Gas Order No. 2 to insure good mechanical working order. All BOPE pressure tests shall be performed by a test pump with a chart recorder and **NOT** by the rig pumps. Test shall be reported in the driller's log.

BOP drills shall be initially conducted by each drilling crew within 24 hours of drilling out from under the surface casing and weekly thereafter as specified in Onshore Oil & Gas Order No. 2.

Casing pressure tests are required before drilling out from under all casing strings set and cemented in place.

No aggressive/fresh hard-banded drill pipe shall be used within casing.

5. The lessee/operator must report all shows of water or water-bearing sands to the BLM. If flowing water is encountered it must be sampled and analyzed (a copy of the analyses to be submitted to the BLM Field Office in Vernal, Utah).
6. All oil and gas shows shall be adequately tested for commercial possibilities, reported, and protected.

7. The lessee/operator must report encounters of all non oil & gas mineral resources (such as gilsonite, tar sands, oil shale, etc.) to a geologist of the Vernal Field Office in writing within 5 working days of each encounter. Each report shall include the well name/number, well location, date and depth (from KB or GL) of encounter, vertical footage of the encounter and, the name of the person making the report (along with a telephone number) should the BLM need to obtain additional information.
8. No location shall be constructed or moved, no well shall be plugged, and no drilling or workover equipment shall be removed from a well to be placed in a suspended status without prior approval of the BLM, Vernal Field Office. If operations are to be suspended for more than 30 days, prior approval of the BLM, Vernal Field Office shall be obtained and notification given before resumption of operations.
9. Chronologic drilling progress reports shall be filed directly with the BLM, Vernal Field Office on a weekly basis in sundry, letter format or e-mail to the Petroleum Engineers until the well is completed.

Any change in the program shall be approved by the BLM, Vernal Field Office. "Sundry Notices and Reports on Wells" (Form BLM 3160-5) shall be filed for all changes of plans and other operations in accordance with 43 CFR 3162.3-2.

Emergency approval may be obtained orally, but such approval does not waive the written report requirement. Any additional construction, reconstruction, or alterations of facilities, including roads, gathering lines, batteries, etc., which will result in the disturbance of new ground, shall require the filing of a suitable plan pursuant to Onshore Oil & Gas Order No. 1 of 43 CFR 3164.1 and prior approval by the BLM, Vernal Field Office.

In accordance with 43 CFR 3162.4-3, this well shall be reported on the "Monthly Report of Operations" (Oil and Gas Operations Report ((OGOR)) starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report shall be filed in duplicate, directly with the Minerals Management Service, P.O. Box 17110, Denver, Colorado 80217-0110, or call 1-800-525-7922 (303) 231-3650 for reporting information.

10. Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (BLM Form 3160-4) shall be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3162.4-1. Two copies of all logs run, core descriptions, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, shall be filed on BLM Form 3160-4. Submit with the well completion report a geologic report including, at a minimum, formation tops, and a summary and conclusions. Also include deviation surveys, sample descriptions, strip logs, core data, drill stem test data, and results of production tests if performed. Samples (cuttings, fluid, and/or gas) shall be submitted only when requested by the BLM, Vernal Field Office.

A cement bond log (CBL) will be run from the production casing shoe to the surface casing shoe and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.

**Please submit an electronic copy of all other logs run on this well in LAS format to UT\_VN\_Welllogs@BLM.gov. This submission will supersede the requirement for submittal of paper logs to the BLM.**

11. All off-lease storage, off-lease measurement, or commingling on-lease or off-lease shall have prior written approval from the BLM, Vernal Field Office.

All measurement points shall be identified as point of sales or allocation for royalty determination prior to the installation of facilities.

12. Oil and gas meters shall be calibrated in place prior to any deliveries. The Field Office Petroleum Engineers will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports shall be submitted to the BLM, Vernal Field Office. All measurement facilities will conform to the API standards for liquid hydrocarbons and the AGA standards for natural gas measurement.
13. A schematic facilities diagram as required by Onshore Oil & Gas Order No. 3 shall be submitted to the BLM, Vernal Field Office within 30 days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with Onshore Oil & Gas Order No. 3.
14. This APD is approved subject to the requirement that, should the well be successfully completed for production, the BLM, Vernal Field office must be notified when it is placed in a producing status. Such notification will be by written communication and must be received in this office by not later than the fifth business day following the date on which the well is placed on production. The notification shall provide, as a minimum, the following informational items:
  - a. Operator name, address, and telephone number.
  - b. Well name and number.
  - c. Well location (1/4 1/4, Sec., Twn, Rng, and P.M.).
  - d. Date well was placed in a producing status (date of first production for which royalty will be paid).
  - e. The nature of the well's production, (i.e., crude oil, or crude oil and casing head gas, or natural gas and entrained liquid hydrocarbons).
  - f. The Federal or Indian lease prefix and number on which the well is located; otherwise the non-Federal or non-Indian land category, i.e., State or private.

- g. Unit agreement and / or participating area name and number, if applicable.
  - h. Communitization agreement number, if applicable.
15. Any venting or flaring of gas shall be done in accordance with Notice to Lessees (NTL) 4A and needs prior approval from Field Office Petroleum Engineers.
  16. All undesirable events (fires, accidents, blowouts, spills, discharges) as specified in NTL 3A will be reported to the BLM, Vernal Field Office. Major events as defined in NTL3A, shall be reported verbally within 24 hours, followed by a written report within 15 days. "Other than Major Events" will be reported in writing within 15 days. "Minor Events" will be reported on the Monthly Report of Operations and Production
  17. Pursuant to Onshore Oil & Gas Order No. 7, this is authorization for pit disposal of water produced from this well for a period of 90 days from the date of initial production. A permanent disposal method must be approved by this office and in operation prior to the end of this 90-day period. In order to meet this deadline, an application for the proposed permanent disposal method shall be submitted along with any necessary water analyses, as soon as possible, but no later than 45 days after the date of first production. Any method of disposal which has not been approved prior to the end of the authorized 90-day period will be considered as an Incident of Noncompliance and will be grounds for issuing a shut-in order until an acceptable manner for disposing of said water is provided and approved by this office.
  18. Unless the plugging is to take place immediately upon receipt of oral approval, the Field Office Petroleum Engineers must be notified at least 24 hours in advance of the plugging of the well, in order that a representative may witness plugging operations. If a well is suspended or abandoned, all pits must be fenced immediately until they are backfilled. The "Subsequent Report of Abandonment" (Form BLM 3160-5) must be submitted within 30 days after the actual plugging of the well bore, showing location of plugs, amount of cement in each, and amount of casing left in hole, and the current status of the surface restoration.

## DIVISION OF OIL, GAS AND MINING

### ***SPUDDING INFORMATION***

Name of Company: NEWFIELD PRODUCTION COMPANY

Well Name: FEDERAL 15-22-9-16

Api No: 43-013-33167 Lease Type: FEDERAL

Section 22 Township 09S Range 16E County DUCHESNE

Drilling Contractor ROSS DRILLING RIG # 21

### **SPUDDED:**

Date 04/17/07

Time 2:00 PM

How DRY

***Drilling will Commence:*** \_\_\_\_\_

Reported by JOHNNY DAVIS

Telephone # (435) 823-3610

Date 04/18/07 Signed CHD

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING  
ENTITY ACTION FORM - FORM 6

OPERATOR: **NEWFIELD PRODUCTION COMPANY**  
ADDRESS: **RT. 3 BOX 3830**  
**MYTON, UT 84052**

OPERATOR ACCT. NO. **N2695**

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION				SPUD DATE	EFFECTIVE DATE	
					QQ	SC	TP	RG			COUNTY
B	99999	15150	43-013-33273	MON BT NE H-25-8-16	NE/NW	25	8S	16E	DUCHESNE	4/18/2007	4/26/07
WELL 1 COMMENTS: <i>GRUV</i> <i>BHL = C of N/2</i>											
A	99999	16063	43-013-33175	FEDERAL 9-22-9-16	NE/SE	22	9S	16E	DUCHESNE	4/19/2007	4/26/07
<i>GRUV</i>											
A	99999	16064	43-013-33050	FEDERAL 11A-9-9-16	NE/SW	9	9S	16E	DUCHESNE	4/23/2007	4/26/07
<i>GRUV</i>											
A	99999	16065	43-013-33052	FEDERAL 13-9-9-16	SW/SW	9	9S	16E	DUCHESNE	4/21/2007	4/26/07
<i>GRUV</i>											
B	99999	15150	43-013-33274	MON BT NE C-25-8-16	NW/NE	25	8S	16E	DUCHESNE	4/20/2007	4/26/07
WELL 5 COMMENTS: <i>GRUV</i> <i>BHL = NW corner of NE Quad</i>											
A	99999	16066	43-013-33167	FEDERAL 15-22-9-16	SW/SE	22	9S	16E	DUCHESNE	4/22/2007	4/26/07
<i>GRUV</i>											

ACTION CODES (See instructions on back of form)  
A - new entity for new well (single well only)  
B - well to existing entity (group or unit well)  
C - from one existing entity to another existing entity  
D - well from one existing entity to a new entity  
E - tier (people in comments section)

NOTE: Use COMMENT section to explain why each Action Code was selected.

*Jenri Park*  
Signature  
Production Clerk  
Date  
25  
April 18, 2007

RECEIVED

APR 25 2007

DIV. OF OIL, GAS & MINING



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0135  
Expires January 31, 2004

**SUNDRY NOTICES AND REPORTS ON WELLS**  
**Do not use this form for proposals to drill or to re-enter an**  
**abandoned well. Use Form 3160-3 (APD) for such proposals.**

1. Type of Well  
☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator  
NEWFIELD PRODUCTION COMPANY

3a. Address Route 3 Box 3630  
Myton, UT 84052

3b. Phone (include area code)  
435.646.3721

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
355 FSL 1987 FEL  
SWSE Section 22 T9S R16E

5. Lease Serial No.

USA UTU-74392

6. If Indian, Allottee or Tribe Name.

7. If Unit or CA/Agreement, Name and/or

8. Well Name and No.

FEDERAL 15-22-9-16

9. API Well No.

4301333167

10. Field and Pool, or Exploratory Area

MONUMENT BUTTE

11. County or Parish, State

DUCHESNE, UT

**12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production(Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug & Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to	<input type="checkbox"/> Plug Back	<input checked="" type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Formation water is produced to a steel storage tank. If the production water meets quality guidelines, it is transported to the Ashley, Monument Butte, Jonah, and Beluga water injection facilities by company or contract trucks. Subsequently, the produced water is injected into approved Class II wells to enhance Newfield's secondary recovery project.

Water not meeting quality criteria, is disposed at Newfield's Pariette #4 disposal well (Sec. 7, T9S R19E) or at State of Utah approved surface disposal facilities.

Accepted by the  
Utah Division of  
Oil, Gas and Mining  
**FOR RECORD ONLY**

**RECEIVED**  
**JUN 20 2007**  
DIV. OF OIL, GAS & MINING

I hereby certify that the foregoing is true and correct (Printed/ Typed)

Mandie Crozier

Signature

Title

Regulatory Specialist

Date

06/19/2007

Approved by

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Title

Date

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious and fraudulent statements or representations as to any matter within its jurisdiction

(Instructions on reverse)

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

5. LEASE DESIGNATION AND SERIAL NUMBER:  
USA UTU-74392

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL:

OIL WELL ☒ GAS WELL ☐ OTHER

8. WELL NAME and NUMBER:  
FEDERAL 15-22-9-16

2. NAME OF OPERATOR:

NEWFIELD PRODUCTION COMPANY

9. API NUMBER:  
4301333167

3. ADDRESS OF OPERATOR:

Route 3 Box 3630 CITY Myton STATE UT ZIP 84052

PHONE NUMBER  
435.646.3721

10. FIELD AND POOL, OR WILDCAT:  
MONUMENT BUTTE

4. LOCATION OF WELL:

FOOTAGES AT SURFACE: 355 FSL 1987 FEL

COUNTY: DUCHESNE

OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: SWSE, 22, T9S, R16E

STATE: UT

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate)  Approximate date work will _____	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> DEEPEN <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> PLUG BACK <input type="checkbox"/> PRODUCTION (START/STOP) <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	<input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> TEMPORARITLY ABANDON <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> VENT OR FLAIR <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> WATER SHUT-OFF <input checked="" type="checkbox"/> OTHER: - Weekly Status Report
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only)  Date of Work Completion:  07/02/2007			

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

The above subject well was completed on 06/18/07, attached is a daily completion status report.

NAME (PLEASE PRINT) Jentri Park

TITLE Production Clerk

SIGNATURE

DATE 07/02/2007

(This space for State use only)

RECEIVED

JUL 11 2007

DIV OF OIL, GAS & MINING

**Daily Activity Report**

Format For Sundry

**FEDERAL 15-22-9-16****4/1/2007 To 8/30/2007****6/8/2007 Day: 1****Completion**

Rigless on 6/7/2007 - Install 5M frac head. NU 6" 5M Cameron BOP. RU H/O truck & pressure test casing, blind rams, frac head & casing valves to 4500 psi. RU Perforators LLC WLT w/ mast & run CBL under pressure. WLTD @ 5697' & cement top @ surface. Perforate stage #1. CP5 sds @ 5574-5582' w/ 3 1/8" Slick guns (19 gram, .49" HE, 120°, 21.92" pen, EXP-3319-331 Titan) w/ 4 spf for total of 32 shots. 136 BWTR. SIFN.

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**6/12/2007 Day: 2****Completion**

Rigless on 6/11/2007 - RU BJ Services "Ram Head" frac flange. RU BJ & frac CP5 sds, stage #1 down casing w/ 19,614#'s of 20/40 sand in 325 bbls of Lightning 17 frac fluid. Open well w/ 0 psi on casing. Perfs broke down @ 3280 psi. Treated @ ave pressure of 2433 w/ ave rate of 24.8 bpm w/ 6.5 ppg of sand. Spot 12 bbls of 15% HCL acid in flush for next stage. ISIP was 2430. 461 bbls EWTR. Leave pressure on well. RU Lone Wolf WLT, crane & lubricator. RIH w/ Weatherford 5-1/2" (6K) solid composite frac plug & 13' perf gun. Set plug @ 5510'. Perforate CP3 sds @ 5402-15', CP2 sds @ 5363-69', CP1 sds @ 5330-40' w/ 3-1/8" Slick Guns (23 gram, .46" HE, 90° ) w/ 4 spf for total of 116 shots (3 runs due to misfire). RU BJ & perfs won't break down. RIH & spot 10 gals of 15% HCL acid on perfs. RU BJ & frac stage #2 w/ 34,912#'s of 20/40 sand in 403 bbls of Lightning 17 frac fluid. Open well w/ 0 psi on casing. Perfs broke down @ 3620 psi. Treated @ ave pressure of 2224 w/ ave rate of 24.8 bpm w/ 6.5 ppg of sand. Spot 12 bbls of 15% HCL acid in flush for next stage. ISIP was 1976. 864 bbls EWTR. Leave pressure on well. RU WLT. RIH w/ flow through frac plug & 12' perf gun. Set plug @ 4960'. Perforate A1 sds @ 4852-64' w/ 4 spf for total of 48 shots. RU BJ & frac stage #3 w/ 19,473#'s of 20/40 sand in 287 bbls of Lightning 17 frac fluid. Open well w/ 1671 psi on casing. Perfs broke down @ 3893 psi. Treated @ ave pressure of 1777 w/ ave rate of 24.8 bpm w/ 6.5 ppg of sand. Spot 12 bbls of 15% HCL acid in flush for next stage. ISIP was 1860. 1151 bbls EWTR. Leave pressure on well. RU WLT. RIH w/ flow through frac plug & 6' perf gun. Set plug @ 4760'. Perforate B1 sds @ 4656-62' w/ 4 spf for total of 24 shots. RU BJ & frac stage #4 w/ 14,664#'s of 20/40 sand in 237 bbls of Lightning 17 frac fluid. Open well w/ 1499 psi on casing. Perfs broke down @ 3921 psi. Treated @ ave pressure of 1924 w/ ave rate of 24.8 bpm w/ 6.5 ppg of sand. Spot 12 bbls of 15% HCL acid in flush for next stage. ISIP was 1720. 1388 bbls EWTR. Leave pressure on well. RU WLT. RIH w/ solid frac plug & 6' perf gun. Set plug @ 4540'. Perforate D1 sds @ 4425-31' w/ 4 spf for total of 24 shots. RU BJ & frac stage #5 w/ 22,099#'s of 20/40 sand in 274 bbls of Lightning 17 frac fluid. Open well w/ 330 psi on casing. Perfs broke down @ 2369 psi. Treated @ ave pressure of 2182 w/ ave rate of 24.8 bpm w/ 6.5 ppg of sand. ISIP was 1700. 1662 bbls EWTR. RD BJ & WLT. Flow well back. Well flowed for 2 hours & died w/ 150 bbls rec'd. SIFN.

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**6/14/2007 Day: 3****Completion**

NC #1 on 6/13/2007 - 4:00PM MIRU NC#1, R/U R/pmp & pmp Lines, 7:00PM C/SDFN.

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**6/15/2007 Day: 4****Completion**

NC #1 on 6/14/2007 - 6:30AM OWU, N/D 10,000 BOP & Frac H/D, N/U 3,000 Flng & 5,000 BOP, RIH W/-4 3/4 Bit, Bit Sub, 146 Jts Tbg To Fill @ 4471', R/U R/pmp, R/U Nabors Pwr Swvl, C/Out To Plg @ 4640', Drill Up Plg, Swvl I/Hle To Fill @ 4698', C/Out To Plg @ 4760', Drill Up Plg, SWI, 6:00PM C/SDFN. EOB @ 4761'.

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6/18/2007 Day: 5

Completion

NC #1 on 6/17/2007 - 6:30AM OWU, RIH W/-Tbg To Plg @ 4960', Drill Up Plg, Swvl I/Hle To Fill @ 5428', C/Out To Plg @ 5510', Drill Up Plg, Swvl I/Hle To Fill @ 5651', C/Out To PBTD @ 5715', Curc Well Clean 1 Hr, POOH W/-5 Jts Tbg, EOB @ 5590', R/U Swab, RIH IFL @ Surf, Made 14 Swab Runs, Recvred 159 Bbls Wtr, Lite Trce Sand, Lite Trce Oil, FFL @ , RIH W/Tbg To Fill @ 5710', C/Out To PBTD @ 5715', Curc Well Clean, POOH W/-187 Jts Tbg, Bit Sub & Bit. P/U & RIH W/-N/C, 1 Jt Tbg, S/N, 1 Jt Tbg, 5 1/2 T/A, 181 Jts Tbg, SWI, 6:00PM C/SDFN, Lost 28 Bbls Wtr On Drill Out To PBTD, Recvred 159 Bbls Wtr Swabbing, Lost 73 Bbls Wtr On Curc Out @ PBTD, Total Wtr Recvery For Day = 58 Bbls.

---

6/19/2007 Day: 6

Completion

NC #1 on 6/18/2007 - 6:30AM OWU, N/D BOP, Set T/A In 15,000 Tension, N/U W/-HD. R/U R/pmp, Flsh Tbg W/-60 Bbls Wtr, P/U Stroke & RIH W/-CDI-2 1/2x1 1/2x20x20 1/2' RHAC & Rod String Shown Below. R/U Unit, Hle Standing Full, Stroke pmp & Tbg To 800 Psi W/-Rig Good Test. R/D Rig & Eq, M/Out @ 12:30PM, Leave Unit Down Due To Plumbing Of Dry Gas, Unit Has 120" SL, Lost 11 Bbls Wtr Flushing Tbg W/-60 Bbls @ 6:30 AM, ( Final Report ).

---

Pertinent Files: Go to File List

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG\*

## 1a. TYPE OF WORK

OIL  
WELL ☒GAS  
WELL ☐DRY ☐

Other \_\_\_\_\_

## 1b. TYPE OF WELL

NEW  
WELL ☒WORK  
OVER ☐DEEPEN ☐PLUG  
BACK ☐DIFF  
RESVR. ☐

Other \_\_\_\_\_

## 2. NAME OF OPERATOR

Newfield Exploration Company

## 3. ADDRESS AND TELEPHONE NO.

1401 17th St. Suite 1000 Denver, CO 80202

## 4. LOCATION OF WELL (Report locations clearly and in accordance with any State requirements.)\*

At Surface 355' FSL &amp; 1987' FEL (SW/SE) Sec. 22, T9S, R16E

At top prod. Interval reported below

At total depth

14. API NO.

43-013-33167

DATE ISSUED

06/08/06

## 9. WELL NO.

43-013-33167

## 10. FIELD AND POOL OR WILDCAT

Monument Butte

## 11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA

Sec. 22, T9S, R16E

## 12. COUNTY OR PARISH

Duchesne

## 13. STATE

UT

## 15. DATE SPUDDED

04/18/07

## 16. DATE T.D. REACHED

05/21/07

## 17. DATE COMPL. (Ready to prod.)

06/18/07

## 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)\*

5846' GL

## 19. ELEV. CASINGHEAD

5858' KB

## 20. TOTAL DEPTH, MD &amp; TVD

5770'

## 21. PLUG BACK T.D., MD &amp; TVD

5715'

## 22. IF MULTIPLE COMPL., HOW MANY\*

## 23. INTERVALS DRILLED BY

-----&gt;

## ROTARY TOOLS

X

## CABLE TOOLS

## 24. PRODUCING INTERVAL(S), OF THIS COMPLETION--TOP, BOTTOM, NAME (MD AND TVD)\*

Green River 4425'-5582'

## 25. WAS DIRECTIONAL SURVEY MADE

No

## 26. TYPE ELECTRIC AND OTHER LOGS RUN

Dual Induction Guard, SP, Compensated Density, Compensated Neutron, GR, Caliper, Cement Bond Log

## 27. WAS WELL CORED

No

## 23. CASING RECORD (Report all strings set in well)

CASING SIZE/GRADE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
8-5/8" - J-55	24#	316'	12-1/4"	To surface with 160 sx Class "G" cmt	
5-1/2" - J-55	15.5#	5769'	7-7/8"	325 sx Premilite II and 425 sx 50/50 Poz	

## 29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2-7/8"	EOT @ 5630'	TA @ 5565'

## 30. TUBING RECORD

## 31. PERFORATION RECORD (Interval, size and number)

INTERVAL	SIZE	SPF/NUMBER	DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
(CP5) 5574'-5582'	.49"	4/32	5574'-5582'	Frac w/ 19,614# 20/40 sand in 325 bbls fluid
CP3, 2, & 1) 5402'-15', 5363'-69', 5330'-40'	.46"	4/116	5330'-5415'	Frac w/ 34,912# 20/40 sand in 403 bbls fluid
(A1) 4852'-64'	.46"	4/48	4852'-4864'	Frac w/ 19,473# 20/40 sand in 287 bbls fluid
(B1) 4656'-62'	.46"	4/24	4656'-4662'	Frac w/ 14,664# 20/40 sand in 237 bbls fluid
(D1) 4425'-4431'	.46"	4/24	4425'-4431'	Frac w/ 22,099# 20/40 sand in 274 bbls fluid

## 32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

## 33.\*

## PRODUCTION

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping--size and type of pump)					WELL STATUS (Producing or shut-in)	
06/18/07		2-1/2" x 1-1/2" x 20' x 20 1/2"RHAC SM Plunger Pump					PRODUCING	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL--BBL.	GAS--MCF.	WATER--BBL.		GAS-OIL RATIO
10 day ave	.		---->	42	22	96		524
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL-BBL.	GAS--MCF.	WATER--BBL.		OIL GRAVITY-API (CORR.)	
		----->		RECEIVED				

## 34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

Sold &amp; Used for Fuel

## TEST WITNESSED BY

## 35. LIST OF ATTACHMENTS

D.V. OF OIL, GAS &amp; MINING

## 36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED

Jentri Park

TITLE

Production Clerk

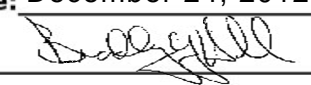
DATE

7/3/2007

JP

\*(See Instructions and Spaces for Additional Data on Reverse Side)

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals, and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries);				38. GEOLOGIC MARKERS		
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
			Well Name Federal 15-22-9-16	Garden Gulch Mkr	3404'	
				Garden Gulch 1	3615'	
				Garden Gulch 2	3724'	
				Point 3 Mkr	3954'	
				X Mkr	4239'	
				Y-Mkr	4271'	
				Douglas Creek Mkr	4389'	
				BiCarbonate Mkr	4615'	
				B Limestone Mkr	4715'	
				Castle Peak	5251'	
				Basal Carbonate	5696'	
				Total Depth (LOGGERS	5775'	

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-74392
<b>1. TYPE OF WELL</b> Oil Well		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
<b>2. NAME OF OPERATOR:</b> NEWFIELD PRODUCTION COMPANY		<b>7. UNIT or CA AGREEMENT NAME:</b> GMBU (GRRV)
<b>3. ADDRESS OF OPERATOR:</b> Rt 3 Box 3630, Myton, UT, 84052		<b>8. WELL NAME and NUMBER:</b> FEDERAL 15-22-9-16
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0355 FSL 1987 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SWSE Section: 22 Township: 09.0S Range: 16.0E Meridian: S		<b>9. API NUMBER:</b> 43013331670000
<b>PHONE NUMBER:</b> 435 646-4825 Ext		<b>9. FIELD and POOL or WILDCAT:</b> MONUMENT BUTTE
<b>COUNTY:</b> DUCHESNE		<b>STATE:</b> UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
<b>TYPE OF SUBMISSION</b>	<b>TYPE OF ACTION</b>	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 12/4/2012	<input type="checkbox"/> ALTER CASING	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CASING REPAIR	
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	
	<input type="checkbox"/> CHANGE TUBING	
	<input checked="" type="checkbox"/> CHANGE WELL STATUS	
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	
	<input type="checkbox"/> CONVERT WELL TYPE	
	<input type="checkbox"/> DEEPEN	
	<input type="checkbox"/> FRACTURE TREAT	
	<input type="checkbox"/> NEW CONSTRUCTION	
	<input type="checkbox"/> OPERATOR CHANGE	
	<input type="checkbox"/> PLUG AND ABANDON	
	<input type="checkbox"/> PLUG BACK	
	<input type="checkbox"/> PRODUCTION START OR RESUME	
	<input type="checkbox"/> RECLAMATION OF WELL SITE	
	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION	
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	
	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	
	<input type="checkbox"/> TEMPORARY ABANDON	
	<input type="checkbox"/> TUBING REPAIR	
	<input type="checkbox"/> VENT OR FLARE	
	<input type="checkbox"/> WATER DISPOSAL	
	<input type="checkbox"/> WATER SHUTOFF	
	<input type="checkbox"/> SI TA STATUS EXTENSION	
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	
	<input type="checkbox"/> OTHER: <input style="width: 100px;" type="text"/>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. <p>The subject well has been converted from a producing oil well to an injection well on 12/03/2012. On 12/03/2012 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 12/04/2012 the casing was pressured up to 1820 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 0 psig during the test. There was a State representative available to witness the test - Chris Jensen.</p>		
<b>NAME (PLEASE PRINT)</b> Lucy Chavez-Naupoto		<b>PHONE NUMBER</b> 435 646-4874
<b>SIGNATURE</b> N/A		<b>TITLE</b> Water Services Technician
<b>DATE</b> 12/10/2012		<b>Accepted by the Utah Division of Oil, Gas and Mining</b>  <b>Date:</b> December 24, 2012 <b>By:</b> 

# Mechanical Integrity Test

## Casing or Annulus Pressure Test

Newfield Production Company

Rt. 3 Box 3630

Myton, UT 84052

435-646-3721

Witness: Chris Jensen Date 12/4/12 Time 12:30 am pm  
 Test Conducted by: Randy B. Bly  
 Others Present: \_\_\_\_\_

Well: Federal 15-22-9-14Field: Monument ButteWell Location: Federal 15-22-9-14API No: 4301333167

<u>Time</u>	<u>Casing Pressure</u>	
0 min	<u>1820</u>	psig
5	<u>1820</u>	psig
10	<u>1820</u>	psig
15	<u>1820</u>	psig
20	<u>1820</u>	psig
25	<u>1820</u>	psig
30 min	<u>1820</u>	psig
35		psig
40		psig
45		psig
50		psig
55		psig
60 min		psig

Tubing pressure: 0 psig

Result:

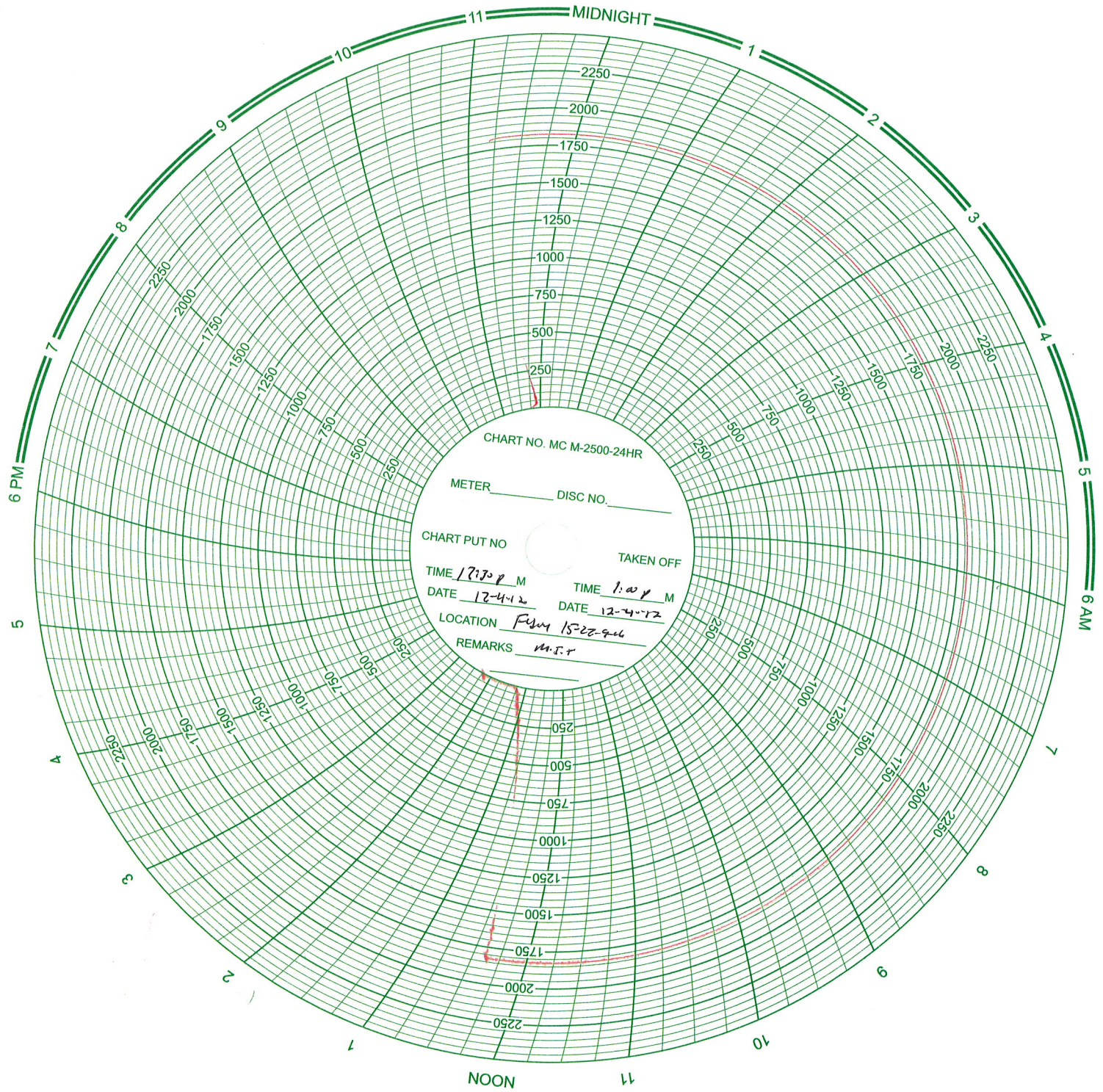
Pass

Fail

Signature of Witness:

Signature of Person Conducting Test:





## Daily Activity Report

Format For Sundry

**FEDERAL 15-22-9-16**

**9/1/2012 To 1/30/2013**

**11/29/2012 Day: 1**

**Conversion**

Stone #10 on 11/29/2012 - MIRU, flush rods with 35 BBLS - 2:00pm road rig to loc + rig up, R/D horse head Pull 6k over string WT, L/D 2 Rods. Pump 5 bbls down tbg pressure up to 1600 psi soft seat Blow hole in tbg @ 3000psi, Flush rods W/35 bbls. L/D 38 4per 3/4" rods P/U Polish rod.

**Daily Cost:** \$0

**Cumulative Cost:** \$12,915

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**11/30/2012 Day: 2**

**Conversion**

Stone #10 on 11/30/2012 - 40 4PER 3/4" RODS, 6 WT BARS, & PUMP. W/ 60 BBL ROD FLUSH L/D 63 4PER 3/4" RODS, 76 SLK 3/4" RODS POOH BREAK & DOPE EVERY COLLAR W/ 142 JTS TBG. L/D 38 JTS TBG, TA, 1 JT TBG, SN, 1 JT TBG, 2' PUP JT, SILVER HOG SUB, 8' PERF PUP - CREW TRAVEL SM ON L/D RODS, 40 4PER 3/4" RODS, 6 WT BARS, & PUMP. W/ 60 BBL ROD FLUSH L/D 63 4PER 3/4" RODS, 76 SLK 3/4" RODS, R/D WELLHEAD. N/U BOP. R/U FLOOR. RELEASE TA, POOH BREAK & DOPE EVERY COLLAR W/ 142 JTS TBG. L/D 38 JTS TBG, TA, 1 JT TBG, SN, 1 JT TBG, 2' PUP JT, SILVER HOG SUB, 8' PERF PUP JT, & NC. W/ 50 BBL TBG FLUSH. TIH W/ INJECTION PKR ASSEMBLY & 60 JTS TBG. EOT @ 1869, SIWFW 1 HR CREW TRAVEL

**Daily Cost:** \$0

**Cumulative Cost:** \$19,583

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**12/3/2012 Day: 3**

**Conversion**

Stone #10 on 12/3/2012 - TOH breaking and doping every collar - Flush rods w/20 bbls. 40 63 4per 3/4, 76 slk 3/4, 40 4 per 3/4, 6 wt bars, pump w/60 bbls rod flush. R/D wellhead, NU bops, R/U floor, release TA. POOH breaking and doping every collar w/142 jts tubing. L/D 38 jts tbg, TA, 1 Jt tbg, SN, 1 jt tbg, 2' pup jt, silver hog sub, 8' perf pup jt. TIH w/packer assembly, + 60 jts tbg. EOT @ 1869.

**Daily Cost:** \$0

**Cumulative Cost:** \$26,601

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**12/4/2012 Day: 4**

**Conversion**

Stone #10 on 12/4/2012 - pressure test tubing and casing - 5:30am 6:30am ct- sm- 7am flush tbg 20bw w/ho- drop st vlv- prs tst tbg 4000psi- gt- 5bw to fill- rih 80jts w/bha- 142jts- s/n- rh- pkr- xo- 4'pup- xnn- re entry- 8:15am prs tst tbg 3000psi- 3bw to fill- tst for 1hr- lost 100psi- 9:15am prs up to 3260psi- 10:45am final tst 3220psi- gt- r/u & rih sl w/ovrsht- fish st vlv- n/d Weatherford bop- 11:45am n/u wh- flush csg 40bw w/pkr fluid- n/d wh- set pkr 15k- c/e @ 4378'- 12:30am n/u wh- prs tst csg 1700psi- 3bw to fill- 2pm final tst 1680psi- gt- r/d- 3pm r/r-

**Daily Cost:** \$0

**Cumulative Cost:** \$32,309

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**12/5/2012 Day: 5**

**Conversion**



Rigless on 12/5/2012 - Conduct initial MIT - On 12/03/2012 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 12/04/2012 the casing was pressured up to 1820 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 0 psig during the test. There was a State representative available to witness the test - Chris Jensen. **Finalized**

**Daily Cost:** \$0

**Cumulative Cost:** \$121,143

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**Pertinent Files:** [Go to File List](#)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

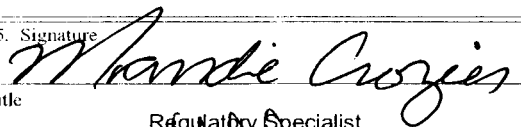
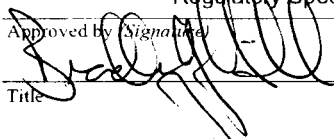
FORM APPROVED  
OMB No. 1004-0136  
Expires January 31, 2004

1a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER			5. Lease Serial No. UTU-74392
1b. Type of Well: <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other <input checked="" type="checkbox"/> Single Zone <input type="checkbox"/> Multiple Zone			6. If Indian, Allottee or Tribe Name N/A
2. Name of Operator Newfield Production Company			7. If Unit or CA Agreement, Name and No. N/A
3a. Address Route #3 Box 3630, Myton UT 84052		3b. Phone No. (include area code) (435) 646-3721	8. Lease Name and Well No. Federal 15-22-9-16
4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface SW/SE 355' FSL 1987' FEL 576603X 40.010069 At proposed prod. zone 4429050Y -110.102484			9. API Well No. 43-013-33167
10. Field and Pool, or Exploratory Monument Butte			11. Sec., T., R., M., or Blk. and Survey or Area SW/SE Sec. 22, T9S R16E
14. Distance in miles and direction from nearest town or post office* Approximately 25.5 miles southwest of Myton, Utah			12. County or Parish Duchesne
13. State UT			
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) Approx. 2285' f/lse, NA f/unit		16. No. of Acres in lease 2080.00	17. Spacing Unit dedicated to this well 40 Acres
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. Approx. 1531'		19. Proposed Depth 5900'	20. BLM/BIA Bond No. on file UTB000192
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 5846' GL		22. Approximate date work will start* 3rd Quarter 2006	23. Estimated duration Approximately seven (7) days from spud to rig release.

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No.1, shall be attached to this form:

- |   |  |
|---|--|
| 1. Well plat certified by a registered surveyor.  | 4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).    |
| 2. A Drilling Plan.   | 5. Operator certification.   |
| 3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office). | 6. Such other site specific information and/or plans as may be required by the authorized officer. |

25. Signature 	Name (Printed/Typed) Mandie Crozier	Date 4/25/06
Title Regulatory Specialist		
Approved by (Signature) 	Name (Printed/Typed) BRADLEY G. HILL	Date 06-08-06
Title Environmental Manager	Off ENVIRONMENTAL MANAGER	

Application approval does not warrant or certify the the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

\*(Instructions on reverse)

Federal Approval of this  
Action Is Necessary

RECEIVED

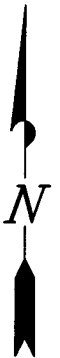
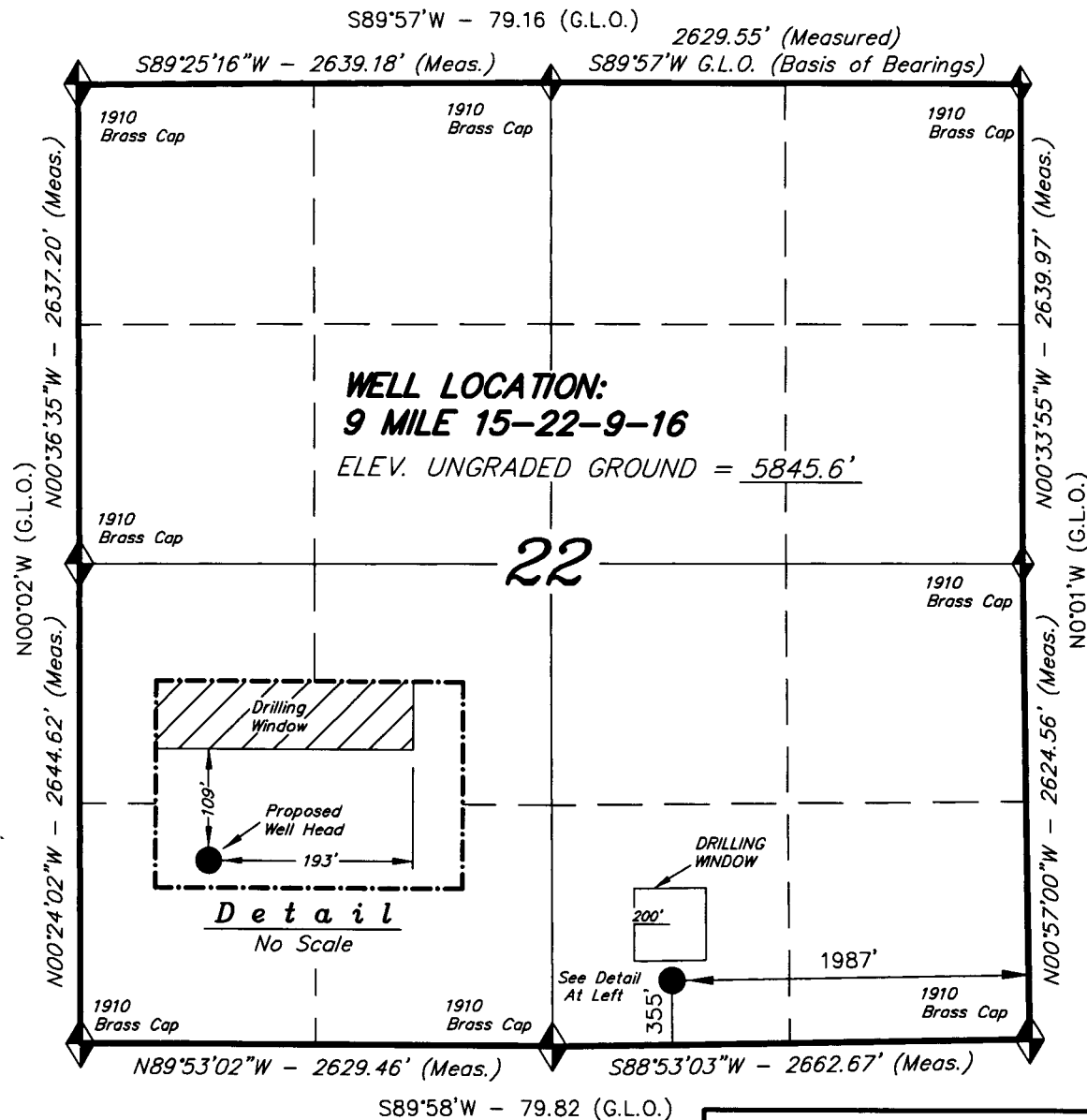
APR 26 2006

DIV. OF OIL, GAS & MINING

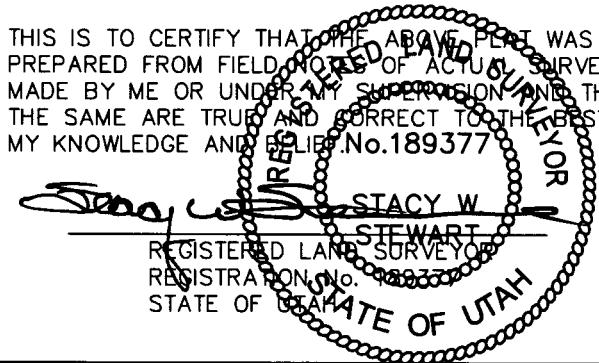
**T9S, R16E, S.L.B.&M.**

**NEWFIELD PRODUCTION COMPANY**

WELL LOCATION, 9 MILE 15-22-9-16,  
LOCATED AS SHOWN IN THE SW 1/4 SE  
1/4 OF SECTION 22, T9S, R16E,  
S.L.B.&M. DUCHESNE COUNTY, UTAH.



THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS  
PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS  
MADE BY ME OR UNDER MY SUPERVISION AND THAT  
THE SAME ARE TRUE AND CORRECT TO THE BEST OF  
MY KNOWLEDGE AND BELIEF. No. 189377



◆ = SECTION CORNERS LOCATED

BASIS OF ELEV;  
U.S.G.S. 7-1/2 min QUAD (MYTON SE)

**9 MILE 15-22-9-16**  
(Surface Location) NAD 83  
LATITUDE = 40° 00' 36.09"  
LONGITUDE = 110° 06' 10.93"

**TRI STATE LAND SURVEYING & CONSULTING**  
180 NORTH VERNAL AVE. - VERNAL, UTAH 84078  
(435) 781-2501

DATE SURVEYED: 03-31-06	SURVEYED BY: C.M.
DATE DRAWN: 4-5-06	DRAWN BY: M.W.
REVISED:	SCALE: 1" = 1000'



June 1, 2006,

Utah Division of Oil, Gas & Mining  
P.O. Box 145801  
Attn: Diana Whitney  
Salt Lake City, Utah 84114-5801

Re: Exception Locations:  
Federal 11-19-9-16; Federal 14-19-9-16; UTU-74391  
Federal 10-22-9-16; Federal 15-22-9-16; UTU-74392  
Duschene Cty., Utah

Dear Ms. Whitney:

Pursuant to Rule R649-3-3 of the Oil & Gas Rules and Regulations of the State of Utah, Newfield Production Company, Inc. hereby requests an exception location for the drilling of the captioned well. Rule R649-3-2 requires a well to be located in the center of a forty (40) acre quarter-quarter section, or a substantially equivalent lot or tract, with a tolerance of two hundred (200) feet in any direction from the center.

Federal 11-19-9-16; 1778' FSL, 2197' FWL; 1' South, 107' East of drilling window  
Federal 14-19-9-16; 452' FSL, 2258' FWL; 8' South, 167' East of drilling window  
Federal 10-22-9-16; 1736' FSL, 2137' FEL; 56' South of the drilling window  
Federal 15-22-9-16; 355 FSL, 1987' FEL; 109' South of the drilling window

The attached plats depict the proposed drillsite locations and illustrate the deviation from the drilling window, in accordance with Rule R649-3-2. The requested locations have all been selected due to the extreme terrain.

The locations are found within the two federal leases referenced above. The drillsite leases and all surrounding acreage within a four hundred sixty foot (460') radius of the proposed location are owned by Newfield Production Company, Yates Petroleum Corporation, Yates Drilling Company, Myco Industries, Inc. and Abo Petroleum Corporation. We have contacted these owners and their consent to this location is attached.

If you have any questions or need additional information please contact me at (303)-382-4448.  
Thank you for your assistance in this matter.

Sincerely,  
NEWFIELD PRODUCTION COMPANY

A handwritten signature in black ink, appearing to read "Laurie Deseau".

Laurie Deseau  
Properties Administrator

**RECEIVED**

**JUN 08 2006**

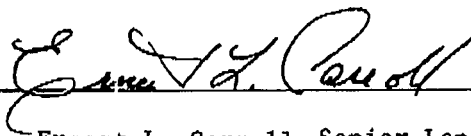
**DIV. OF OIL, GAS & MINING**

Exception Locations

Federal 11-19-9-16; Federal 14-19-9-16; UTU-74391

Federal 10-22-9-16; Federal 15-22-9-16; UTU-74392

Please be advised that Yates Petroleum Corporation, Yates Drilling Company, Myco Industries, Inc. and Abo Petroleum Corporation do not have an objection to the proposed locations of the aforementioned wells.

By: 

Date: May 18, 2006

Ernest L. Carroll, Senior Land Man  
Print Name and Title



April 25, 2006

State of Utah  
Division of Oil, Gas & Mining  
Attn: Diana Whitney  
1594 West North Temple - Suite 1210  
P.O. Box 145801  
Salt Lake City, Utah 84114-5801

RE: Applications for Permit to Drill: Federal 7-19-9-16, 10-19-9-16, 11-19-9-16, 14-19-9-16, 15-19-9-16, 16-19-9-16, 15-21-9-16, 16-21-9-16, 10-22-9-16, and 15-22-9-16.

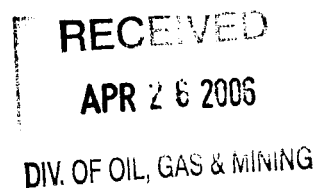
Dear Diana:

Enclosed find APD's on the above referenced wells. The proposed 11-19-9-16, 14-19-9-16, 10-22-9-16, and 15-22-9-16 are all Exception Locations. Our Land Department will send you the required Exception Location Letters. If you have any questions, feel free to give either Shon Mckinnon or myself a call.

Sincerely,

Mandie Crozier  
Regulatory Specialist

mc  
enclosures





**NEWFIELD PRODUCTION COMPANY  
FEDERAL #15-22-9-16  
SW/SE SECTION 22, T9S, R16E  
DUCHESNE COUNTY, UTAH**

**ONSHORE ORDER NO. 1**

**DRILLING PROGRAM**

**1. GEOLOGIC SURFACE FORMATION:**

Uinta formation of Upper Eocene Age

**2. ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS:**

Uinta	0' – 2190'
Green River	2190'
Wasatch	5900'

**3. ESTIMATED DEPTHS OF ANTICIPATED WATER, OIL, GAS OR MINERALS:**

Green River Formation 2190' – 5900' - Oil

**4. PROPOSED CASING PROGRAM**

Please refer to the Monument Butte Field Standard Operation Procedure (SOP).

**5. MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL:**

Please refer to the Monument Butte Field SOP. See Exhibit "C".

**6. TYPE AND CHARACTERISTICS OF THE PROPOSED CIRCULATION MUDS:**

Please refer to the Monument Butte Field SOP.

**7. AUXILIARY SAFETY EQUIPMENT TO BE USED:**

Please refer to the Monument Butte Field SOP.

**8. TESTING, LOGGING AND CORING PROGRAMS:**

Please refer to the Monument Butte Field SOP.

**9. ANTICIPATED ABNORMAL PRESSURE OR TEMPERATURE:**

The anticipated maximum bottom hole pressure is 1800 psi. It is not anticipated that abnormal temperatures will be encountered.

**10. ANTICIPATED STARTING DATE AND DURATION OF THE OPERATIONS:**

Please refer to the Monument Butte Field SOP.

**NEWFIELD PRODUCTION COMPANY  
FEDERAL #15-22-9-16  
SW/SE SECTION 22, T9S, R16E  
DUCHESNE COUNTY, UTAH**

**ONSHORE ORDER NO. 1**

**MULTI-POINT SURFACE USE & OPERATIONS PLAN**

**1. EXISTING ROADS**

See attached Topographic Map "A"

To reach Newfield Production Company well location site Federal #15-22-9-16 located in the SW 1/4 SE 1/4 Section 22, T9S, R16E, Duchesne County, Utah:

Proceed southwesterly out of Myton, Utah along Highway 40 - 1.6 miles  $\pm$  to the junction of this highway and UT State Hwy 53; proceed southwesterly - 10.9 miles  $\pm$  to it's junction with an existing road to the northeast; proceed northeasterly and then southwesterly - 10.1 miles  $\pm$  to it's junction with an existing road to the southeast; proceed southeasterly and then northeasterly - 0.9 miles  $\pm$  to it's junction with the beginning of the proposed access road to the southeast; proceed southeasterly and then northeasterly - 1.5 miles  $\pm$  to the proposed well location.

**2. PLANNED ACCESS ROAD**

See Topographic Map "B" for the location of the proposed access road.

**3. LOCATION OF EXISTING WELLS**

Refer to Exhibit "B".

**4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES**

All permanent surface equipment will be painted Carlsbad Canyon.  
Please refer to the Monument Butte Field Standard Operating Procedure (SOP).

**5. LOCATION AND TYPE OF WATER SUPPLY**

Please refer to the Monument Butte Field SOP. See Exhibit "A".

**6. SOURCE OF CONSTRUCTION MATERIALS**

Please refer to the Monument Butte Field SOP.

**7. METHODS FOR HANDLING WASTE DISPOSAL**

Please refer to the Monument Butte Field SOP.

**8. ANCILLARY FACILITIES**

Please refer to the Monument Butte Field SOP.

9. **WELL SITE LAYOUT**

See attached Location Layout Diagram.

10. **PLANS FOR RESTORATION OF SURFACE**

Please refer to the Monument Butte Field SOP.

11. **SURFACE OWNERSHIP** - Bureau Of Land Management (Proposed location and access roads leading to).

12. **OTHER ADDITIONAL INFORMATION**

The Archaeological Resource Survey and Paleontological Resource Survey for this area are attached. MOAC Report #05-240, 7/25/05. Paleontological Resource Survey prepared by, Wade E. Miller, 9/28/05. See attached report cover pages, Exhibit "D".

For the Federal #15-22-9-16 Newfield Production Company requests 8010' of disturbed area be granted in Lease UTU-74392 to allow for construction of the proposed access road. **Refer to Topographic Map "B"**. The proposed access road will be an 18' crown road (9' either side of the centerline) with drainage ditches along either side of the proposed road whether it is deemed necessary in order to handle any run-off from normal meteorological conditions that are prevalent to this area. The maximum grade will be less than 8%. There will be no culverts required along this access road. There will be barrow ditches and turnouts as needed along this road. There are no fences encountered along this proposed road. There will be no new gates or cattle guards required. All construction material for this access road will be borrowed material accumulated during construction of the access road.

Newfield Production Company requests 8010' of disturbed area be granted in Lease UTU-74392 to allow for construction of the proposed gas lines. It is proposed that the disturbed area will be 50' wide to allow for construction of a 6" gas gathering line, and a 3" poly fuel gas line. Both lines will tie in to the existing pipeline infrastructure. **Refer to Topographic Map "C."** For a ROW plan of development, please refer to the Monument Butte Field SOP.

Newfield Production Company requests 8010' of disturbed area be granted in Lease UTU-74392 to allow for construction of the proposed water lines. It is proposed that the disturbed area will be 50' wide to allow for construction of a buried 3" steel water injection line and a buried 3" poly water return line. **Refer to Topographic Map "C."** For a ROW plan of development, please refer to the Monument Butte Field SOP.

**Exceptional Spacing**

According to Rule R649-3-2, which governs the location of wells in the State of Utah, Newfield Production is required to request administrative approval for a location exception from all non-unitized lease interest owners within a 460-foot radius of the new proposed location. Our Land Department in Denver has been notified of this exception location and will submit the required Exception Location Letter to all affected lease interest owners.

**Water Disposal**

Immediately upon first production, all produced water will be confined to a steel storage tank. If the production water meets quality guidelines, it is transported to the Ashley, Monument Butte, Jonah, and Beluga water injection facilities by company or contract trucks. Subsequently, the produced water is injected into approved Class II wells to enhance Newfield's secondary recovery project.

Water not meeting quality criteria, is disposed at Newfield's Pariette #4 disposal well (Sec. 7, T9S R19E) or at State of Utah approved surface disposal facilities.

**Threatened, Endangered, And Other Sensitive Species**

None.

**Reserve Pit Liner**

A 12 mil liner with felt is required. Please refer to the Monument Butte Field SOP.

**Location and Reserve Pit Reclamation**

Please refer to the Monument Butte Field SOP.

The following seed mixture will be used on the topsoil stockpile, to the recontoured surface of the reserve pit, and for final reclamation: (All poundages are in pure live seed)

Western Wheatgrass	<i>Pascopyrum Smithii</i>	6 lbs/acre
Galletta Grass	<i>Hilaria Jamesii</i>	6 lbs/acre

**Details of the On-Site Inspection**

The proposed Federal #15-22-9-16 was on-sited on 3/17/06. The following were present: Shon Mckinnon (Newfeild Production), Chris Carusona (Bureau of Land Management), and Brandon McDonald (Bureau of Landmanagement). Weather conditions were clear and ground cover was 30% open.

**13. LESSEE'S OR OPERATORS REPRESENTATIVE AND CERTIFICATION**

Representative

Name: Shon Mckinnon  
Address: Route #3 Box 3630  
Myton, UT 84052  
Telephone: (435) 646-3721

Certification

Please be advised that NEWFIELD PRODUCTION COMPANY is considered to be the operator of well #15-22-9-16 SW/SE Section 22, Township 9S, Range 16E: Lease UTU-74392 Duchesne County, Utah: and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond coverage is provided by US Specialty Insurance #B001832.

I hereby certify that the proposed drillsite and access route have been inspected, and I am familiar with the conditions which currently exist; that the statements made in this plan are true and correct to the best of my knowledge; and that the work associated with the operations proposed here will be performed by Newfield Production Company and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

4/25/06

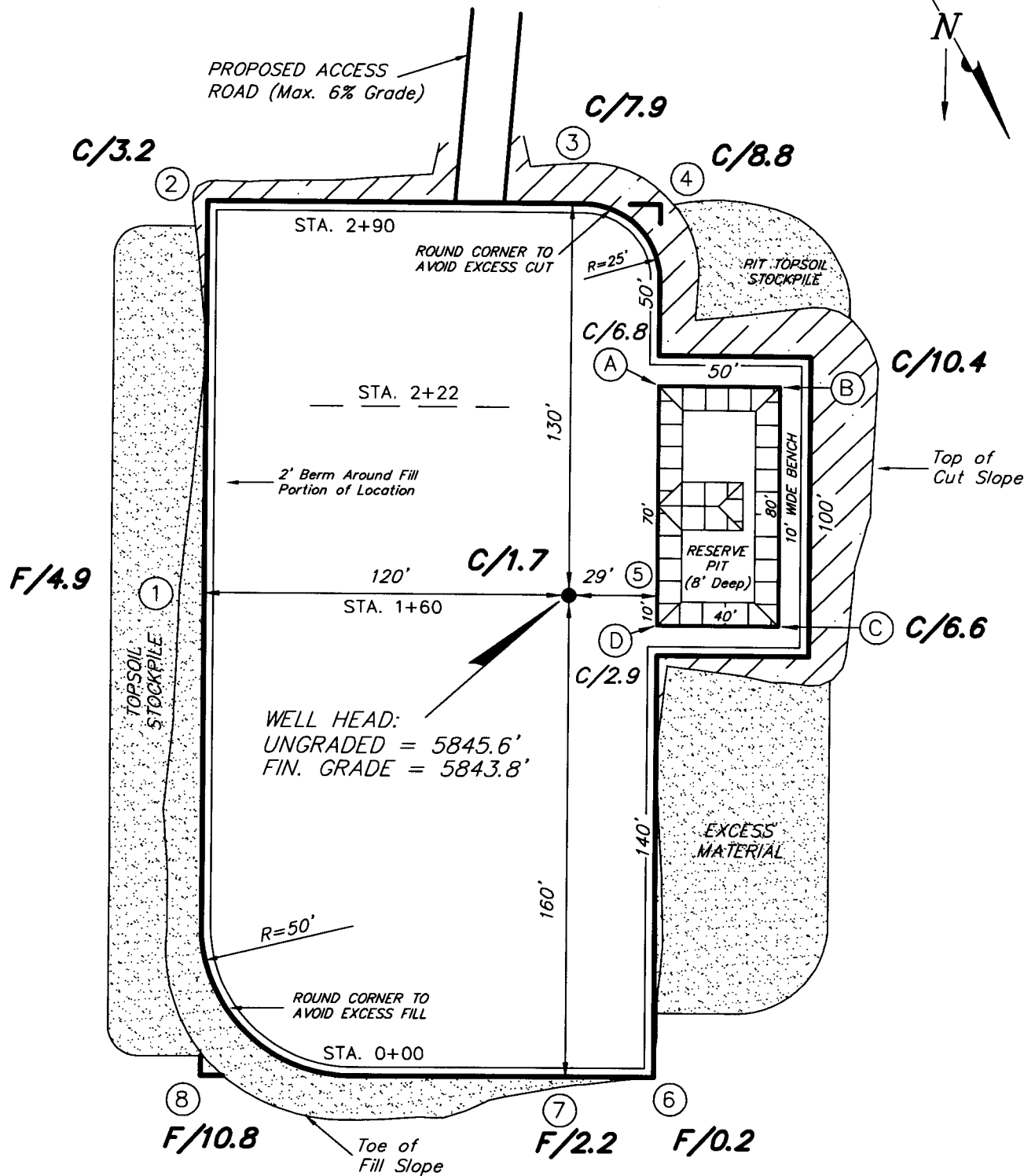
Date

  
Mandie Crozier  
Regulatory Specialist  
Newfield Production Company

# NEWFIELD PRODUCTION COMPANY

9 MILE 15-22-9-16

Section 22, T9S, R16E, S.L.B.&M.



## REFERENCE POINTS

170' SOUTHEASTERLY = 5836.3'  
220' SOUTHEASTERLY = 5836.3'

SURVEYED BY: C.M.

SCALE: 1" = 50'

DRAWN BY: M.W.

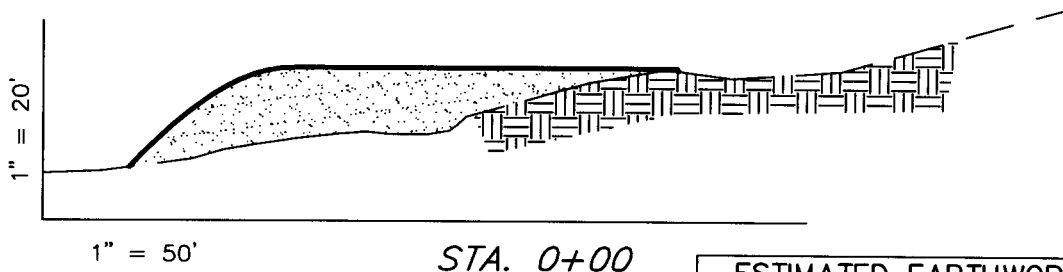
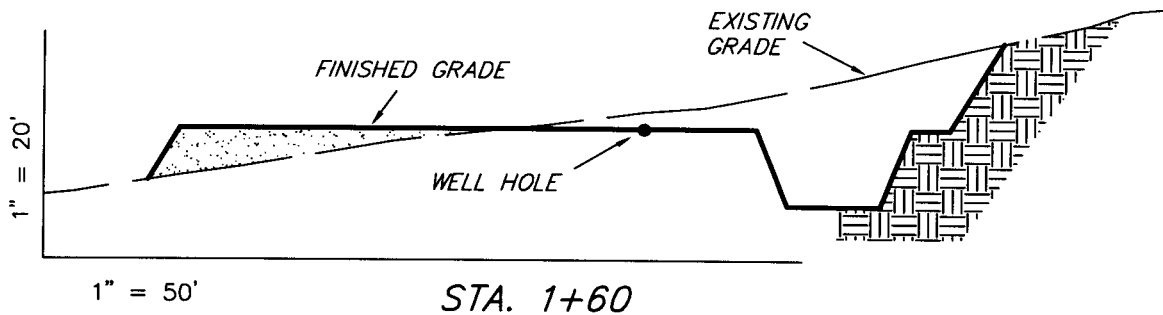
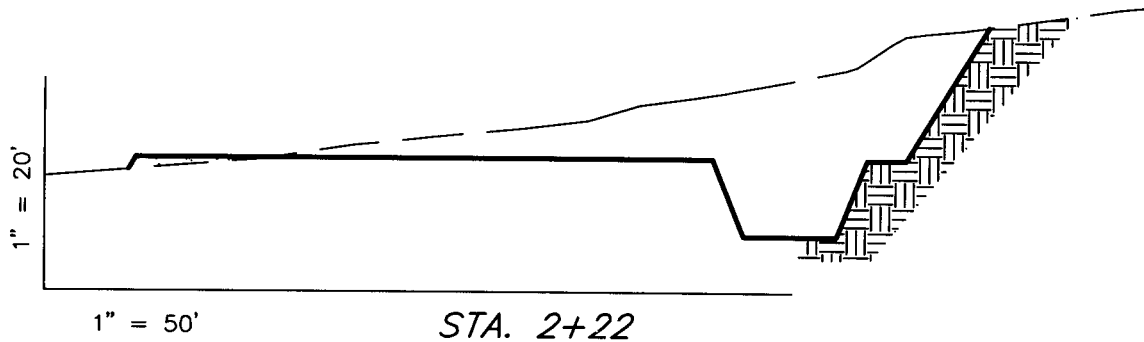
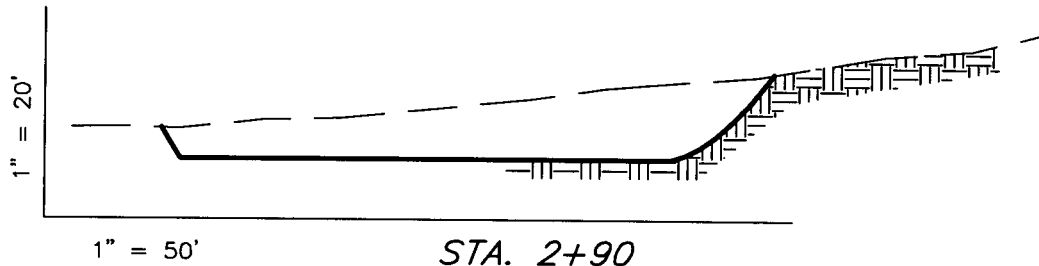
DATE: 4-5-06

**Tri State**  
Land Surveying, Inc.  
(435) 781-2501  
180 NORTH VERNAL AVE. VERNAL, UTAH 84078

# NEWFIELD PRODUCTION COMPANY

## CROSS SECTIONS

9 MILE 15-22-9-16



NOTE:  
UNLESS OTHERWISE NOTED  
ALL CUT/FILL SLOPES ARE  
AT 1.5:1

ESTIMATED EARTHWORK QUANTITIES  
(No Shrink or swell adjustments have been used)  
(Expressed in Cubic Yards)

ITEM	CUT	FILL	6" TOPSOIL	EXCESS
PAD	3,720	3,720	Topsoil is not included in Pad Cut	0
PIT	640	0		640
TOTALS	4,360	3,720	1,050	640

SURVEYED BY: C.M.

SCALE: 1" = 50'

DRAWN BY: M.W.

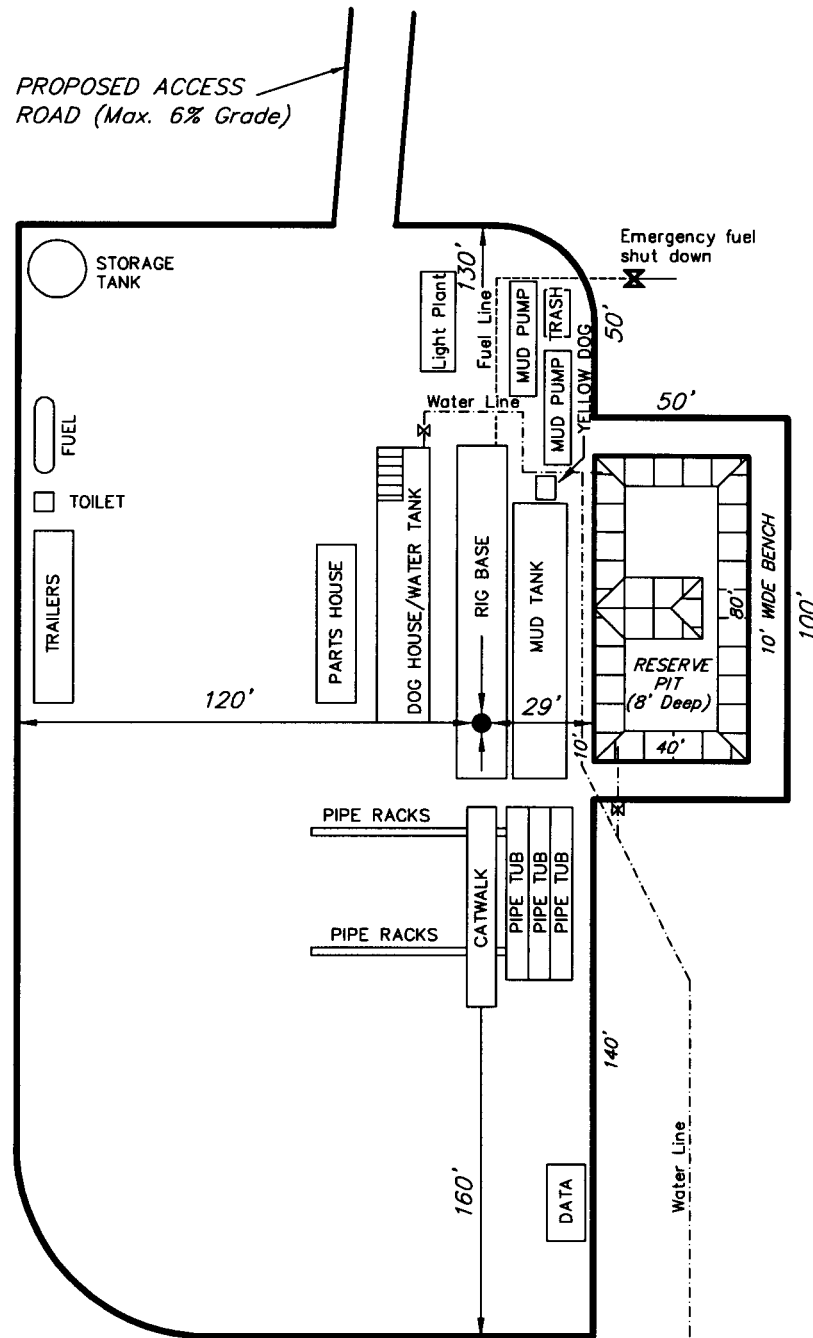
DATE: 4-5-06

Tri State  
Land Surveying, Inc.  
180 NORTH VERNAL AVE. VERNAL, UTAH 84078  
(435) 781-2501

# NEWFIELD PRODUCTION COMPANY

## TYPICAL RIG LAYOUT

### 9 MILE 15-22-9-16



SURVEYED BY: C.M.

SCALE: 1" = 50'

DRAWN BY: M.W.

DATE: 4-5-06

**Tri State**  
Land Surveying, Inc.

(435) 781-2501

180 NORTH VERNAL AVE. VERNAL, UTAH 84078

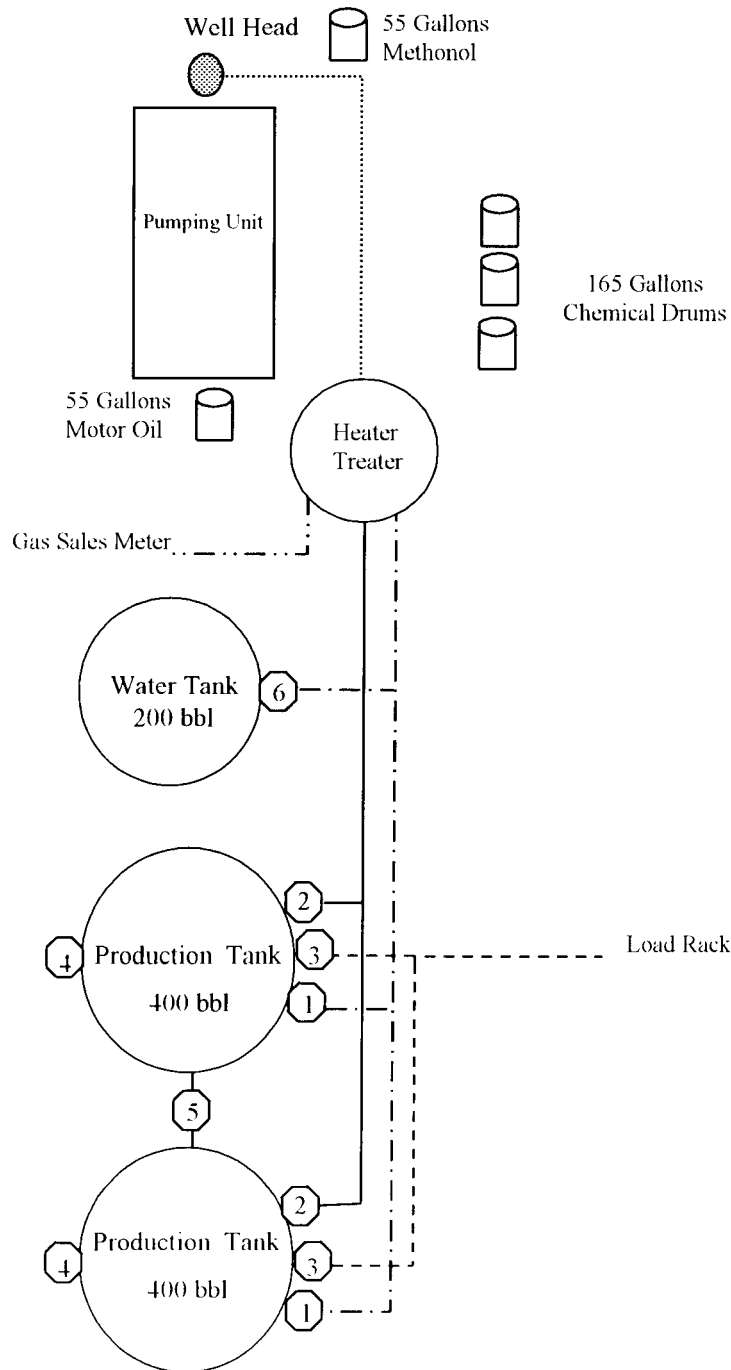
# Newfield Production Company Proposed Site Facility Diagram

Federal 15-22-9-16

SW/SE Sec. 22, T9S, 16E

Duchesne County, Utah

UTU-74392



## Legend

<b>Emulsion Line</b>	.....
<b>Load Rack</b>	-----
<b>Water Line</b>	- - - - -
<b>Gas Sales</b>	.....
<b>Oil Line</b>	—————

## Production Phase:

- 1) Valves 1, 3, and 4 sealed closed
- 2) Valves 2, 5, and 6 sealed open

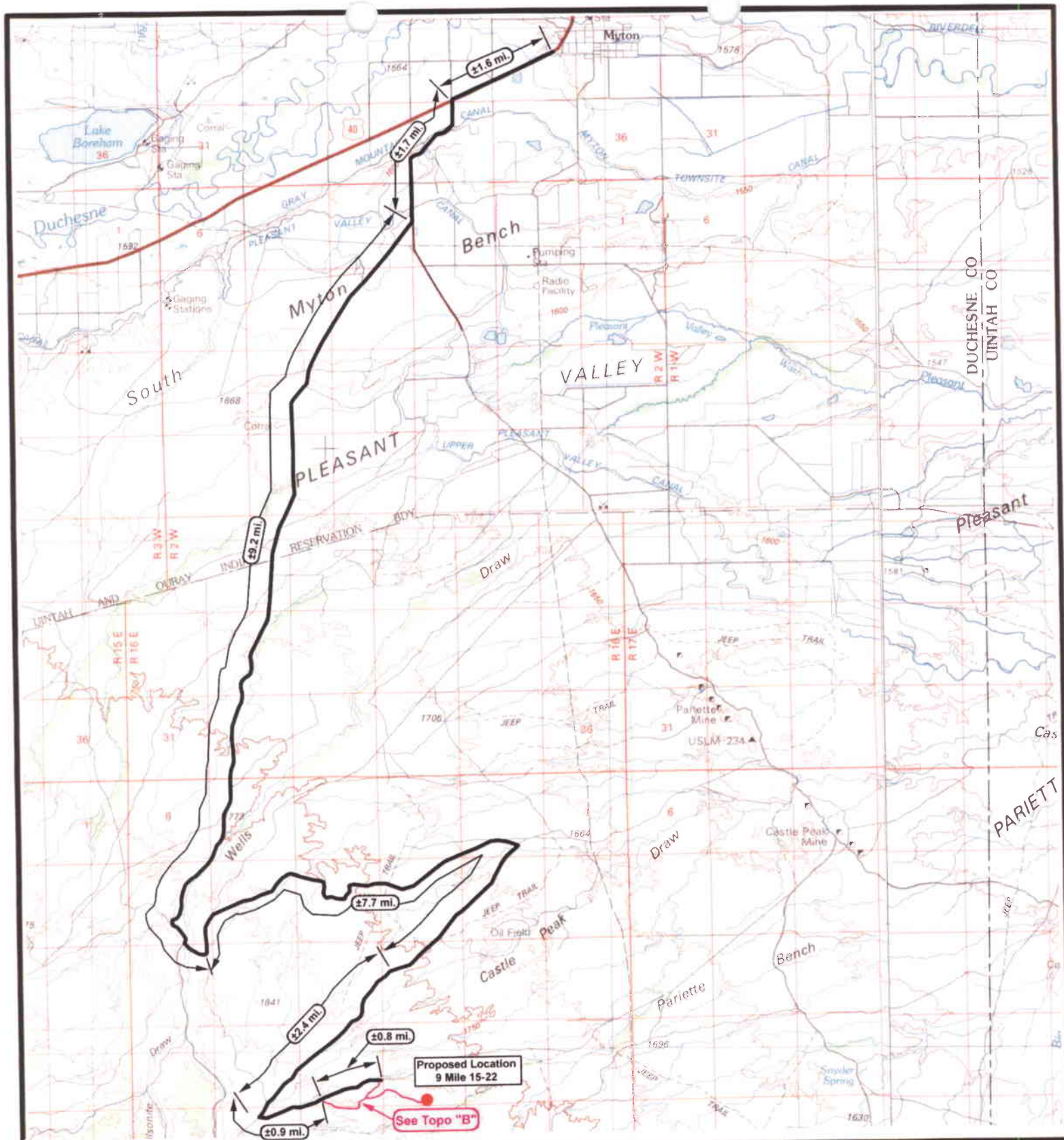
## Sales Phase:

- 1) Valves 1, 2, 4, 5, and 6 sealed closed
- 2) Valve 3 open

## Draining Phase:

- 1) Valves 1 and 6 open





**NEWFIELD**  
Exploration Company

**9 Mile 15-22-9-16**  
**SEC. 22, T9S, R16E, S.L.B.&M.**



**Tri-State**  
**Land Surveying Inc.**  
(435) 781-2501  
180 North Vernal Ave. Vernal, Utah 84078

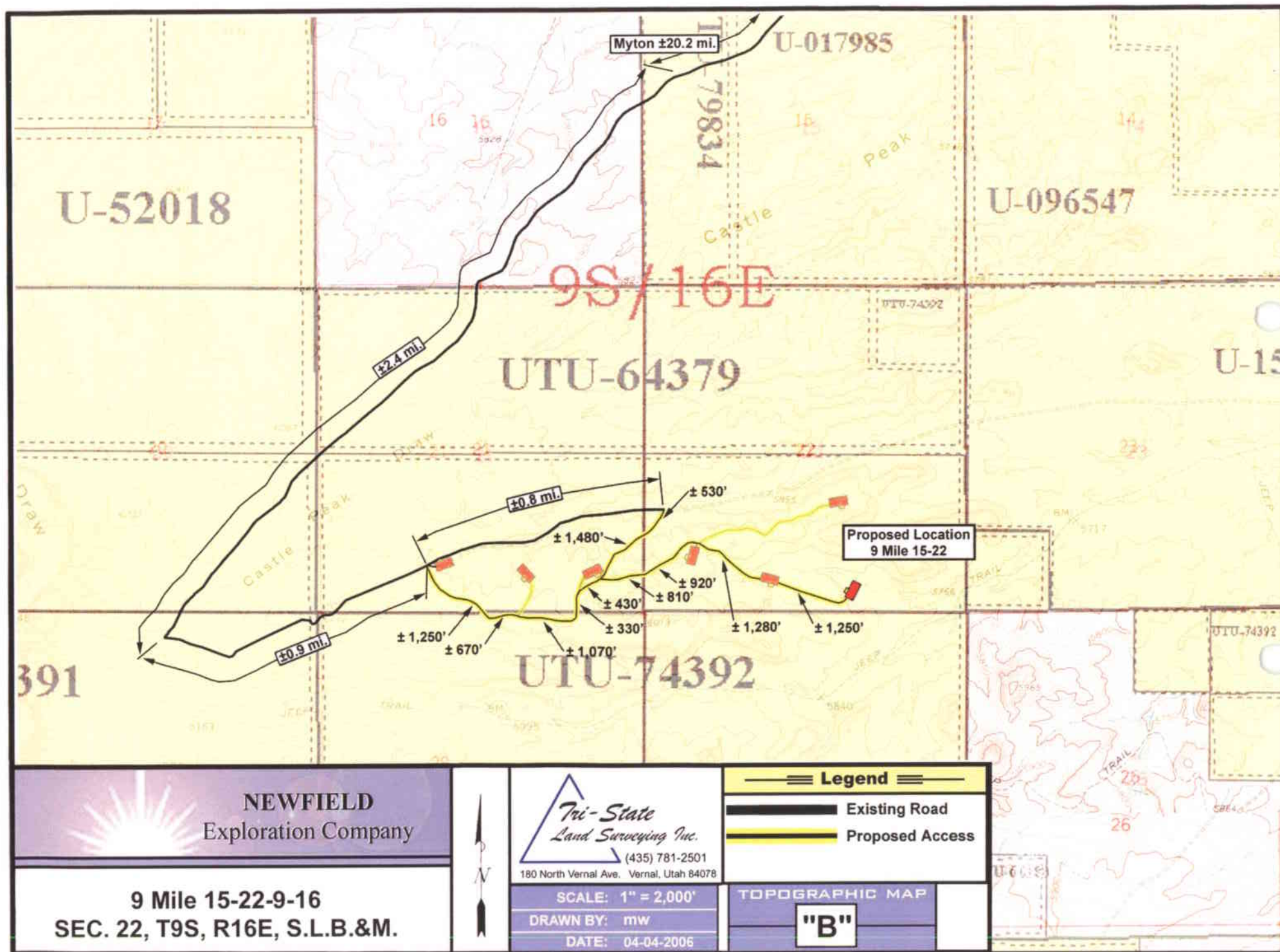
**SCALE:** 1 = 100,000  
**DRAWN BY:** mw  
**DATE:** 04-04-2006

**Legend**

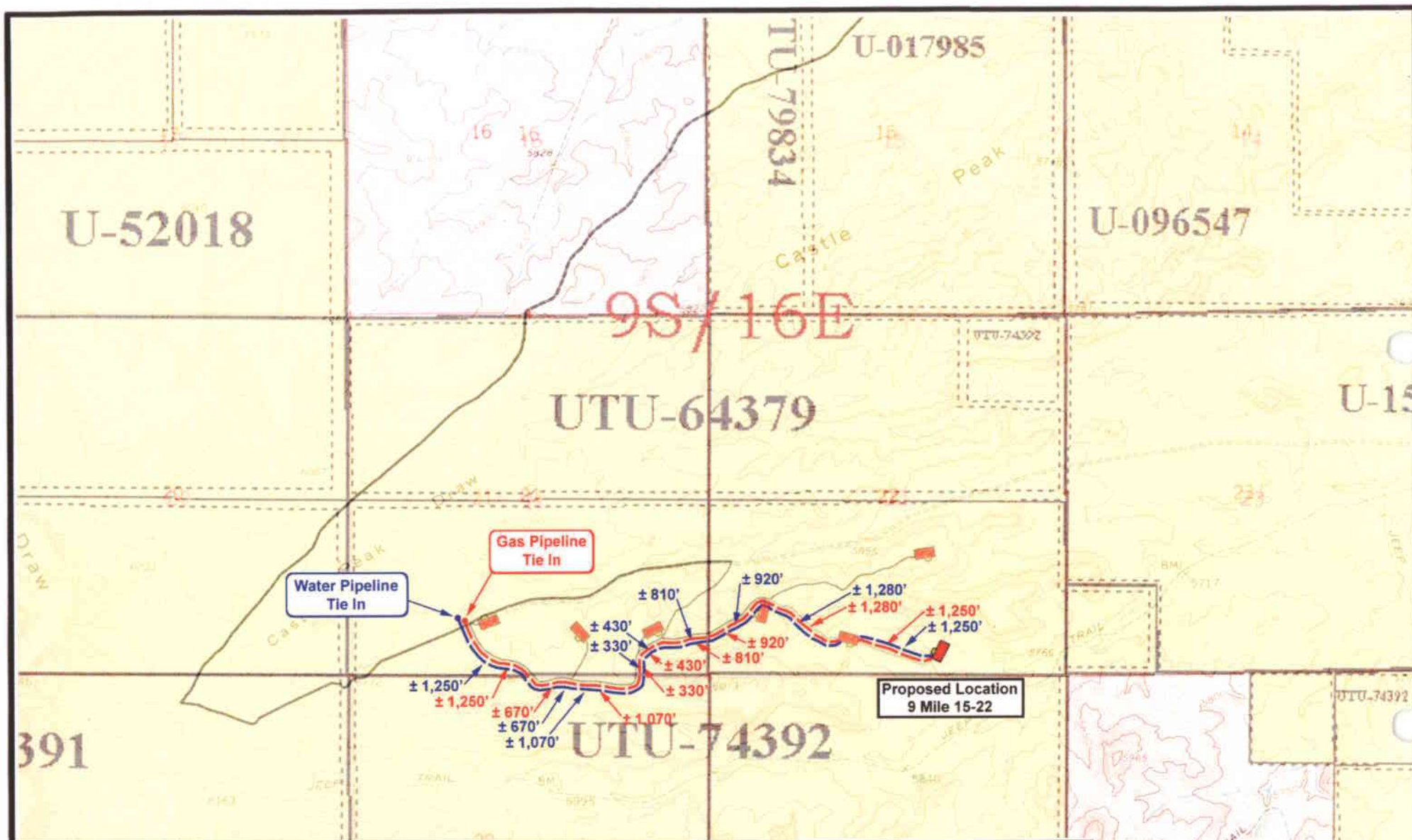
**Existing Road**  
**Proposed Access**

**TOPOGRAPHIC MAP**

**"A"**







**9 Mile 15-22-9-16**  
**SEC. 22, T9S, R16E, S.L.B.&M.**



**Tri-State**  
*Land Surveying Inc.*  
(435) 781-2501  
180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1" = 2,000'

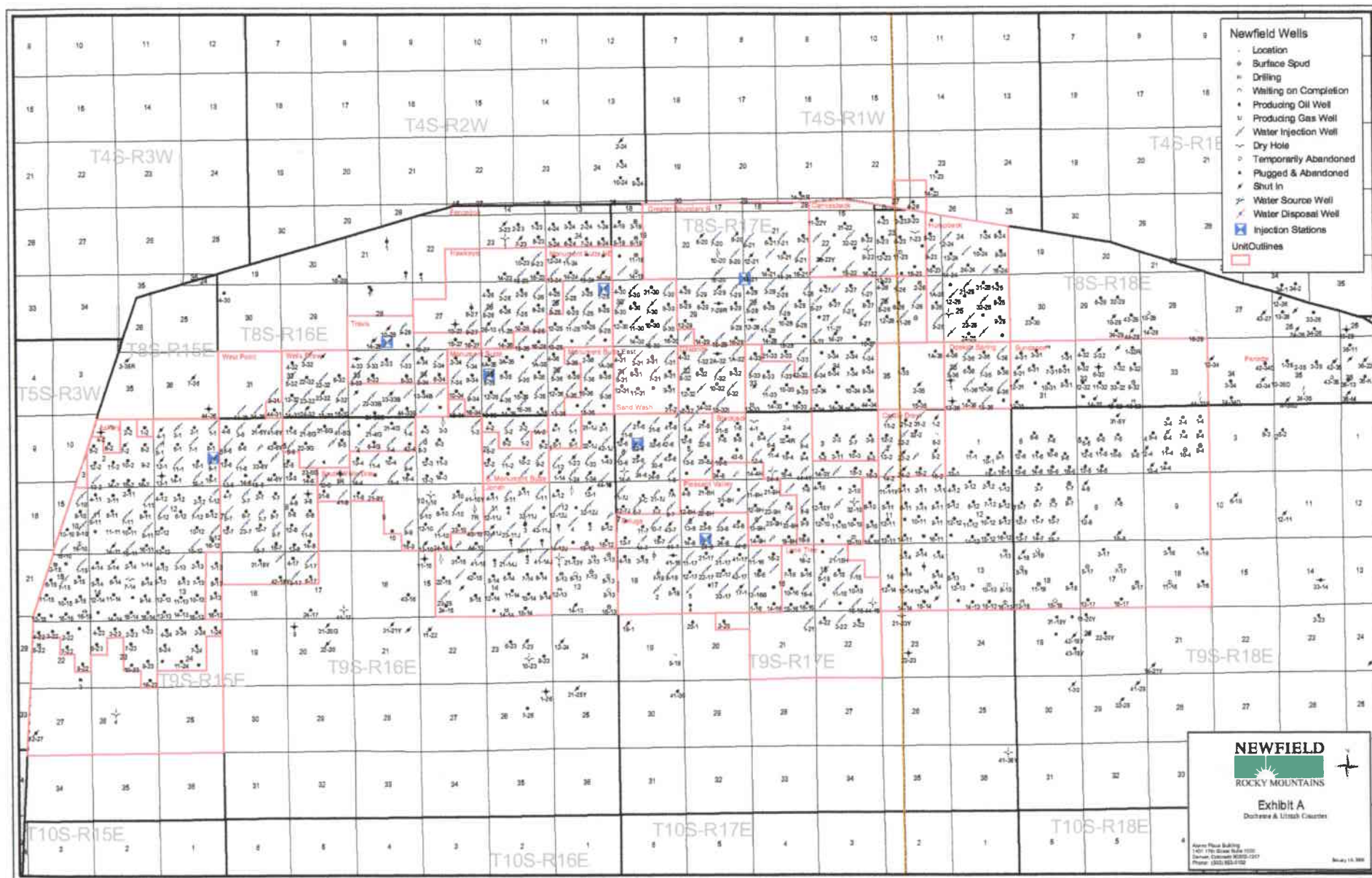
DRAWN BY: mw

DATE: 04-04-2006

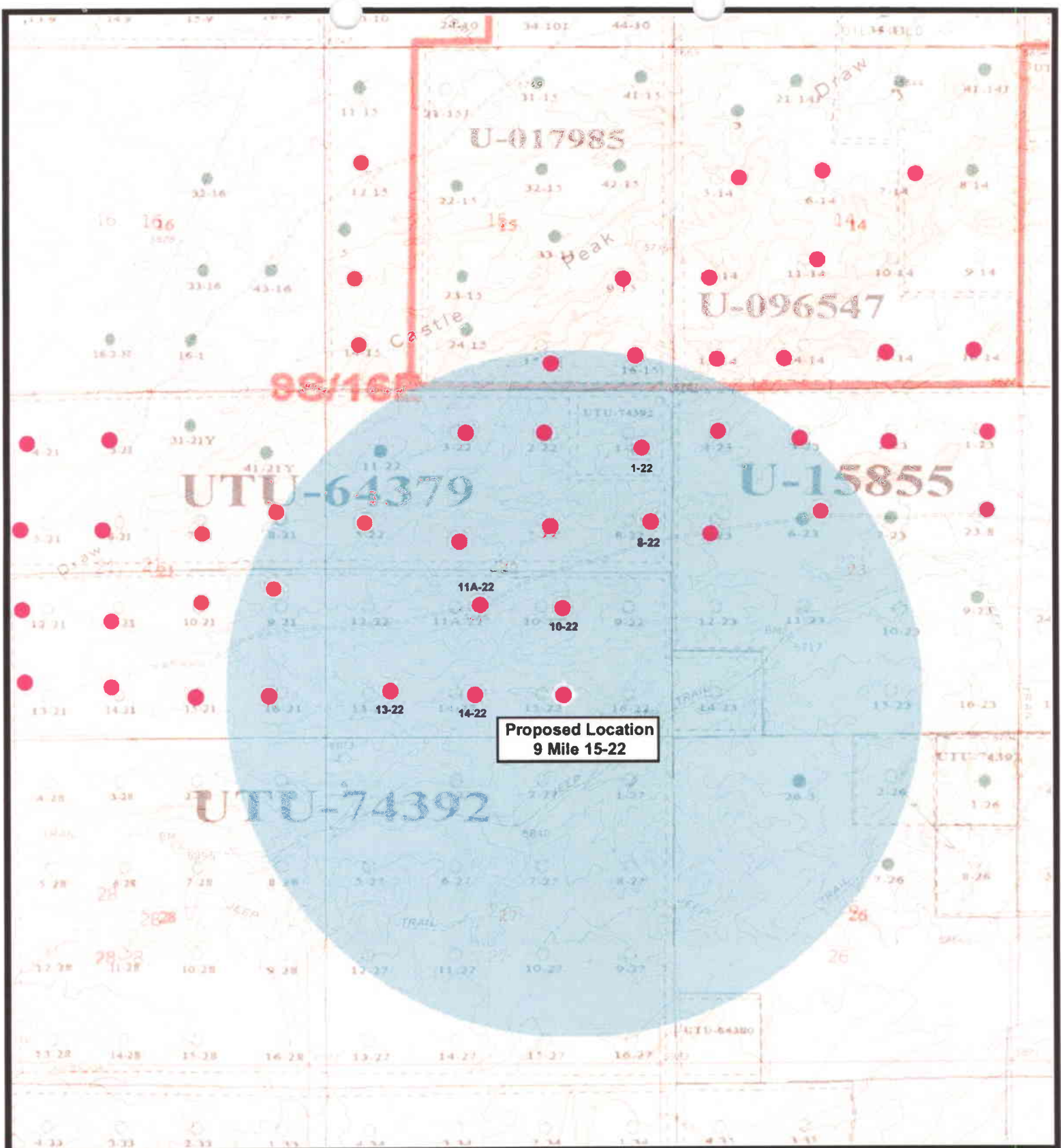
Legend	
	Roads
	Proposed Gas Line
	Proposed Water Line

TOPOGRAPHIC MAP

"C"







**NEWFIELD**  
Exploration Company

**9 Mile 15-22-9-16**  
**SEC. 22, T9S, R16E, S.L.B.&M.**



*Tri-State*  
*Land Surveying Inc.*  
(435) 781-2501

180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1" = 2,000'

DRAWN BY: mw

DATE: 04-04-2006

Legend

- Well Locations
- One-Mile Radius

**Exhibit "B"**

## 2-M SYSTEM

Blowout Prevention Equipment Systems

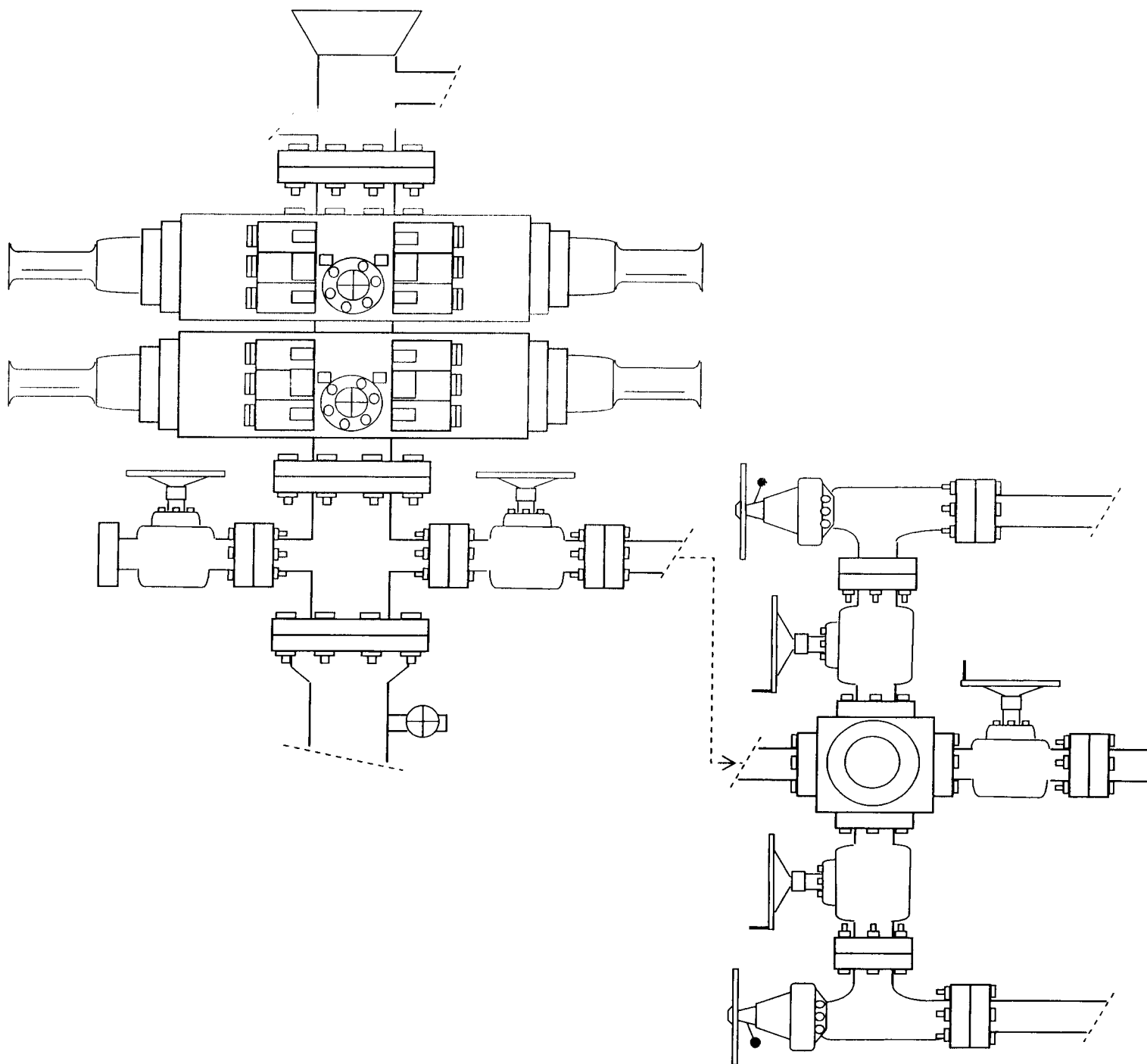


EXHIBIT C

Exhibit "D"  
Page 1 of 2

CULTURAL RESOURCE INVENTORY OF  
NEWFIELD EXPLORATION'S BLOCK PARCEL  
IN TOWNSHIP 9S, RANGE 16E, SECTION 21 and 22,  
DUCHESNE COUNTY, UTAH

By:

Katie Simon

Prepared For:

Bureau of Land Management  
Vernal Field Office

Prepared Under Contract With:

Newfield Exploration Company  
Rt. 3 Box 3630  
Myton, UT 84052

Prepared By:

Montgomery Archaeological Consultants, Inc.  
P.O. Box 147  
Moab, Utah 84532

MOAC Report No. 05-240

July 25, 2005

United States Department of Interior (FLPMA)  
Permit No. 05-UT-60122

State of Utah Antiquities Project (Survey)  
Permit No. U-05-MQ-0709b

**NEWFIELD PRODUCTION COMPANY**

**PALEONTOLOGICAL FIELD SURVEY OF PROPOSED  
PRODUCTION DEVELOPMENT AREAS,  
DUCHESNE COUNTY, UTAH**

SW 1/4, SE 1/4, and SW 1/4, Section 9 [9,11,12,13 & 14-9-9-16]; Entire Section 22 (excluding NE 1/4, NE 1/4 & NW 1/4, NW 1/4) [2,3,5 through 16-9-9-16]; Entire Section 23 (excluding SE 1/4, NW 1/4, SW 1/4, NE 1/4, NE 1/4 & NW 1/4, SE 1/4) [1 through 5, 8,11 through 16-9-9-16]; Entire Section 24 (excluding SW 1/4, NW 1/4) [1 through 4, 6 through 16-9-9-16] all in Township 9 South, Range 16 East

**REPORT OF SURVEY**

Prepared for:

**Newfield Production Company**

Prepared by:

Wade E. Miller  
Consulting Paleontologist  
September 28, 2005



**WORKSHEET**  
**APPLICATION FOR PERMIT TO DRILL**

APD RECEIVED: 04/26/2006

API NO. ASSIGNED: 43-013-33167

WELL NAME: FEDERAL 15-22-9-16

OPERATOR: NEWFIELD PRODUCTION ( N2695 )

CONTACT: MANDIE CROZIER

PHONE NUMBER: 435-646-3721

**PROPOSED LOCATION:**

SWSE 22 090S 160E

SURFACE: 0355 FSL 1987 FEL

BOTTOM: 0355 FSL 1987 FEL

COUNTY: DUCHESNE

LATITUDE: 40.01007 LONGITUDE: -110.1025

UTM SURF EASTINGS: 576603 NORTHINGS: 4429050

FIELD NAME: MONUMENT BUTTE ( 105 )

INSPECT LOCATN BY: / /

Tech Review	Initials	Date
Engineering		
Geology		
Surface		

LEASE TYPE: 1 - Federal

LEASE NUMBER: UTU-74392

SURFACE OWNER: 1 - Federal

PROPOSED FORMATION: GRRV

COALBED METHANE WELL? NO

**RECEIVED AND/OR REVIEWED:**

☒ Plat

☒ Bond: Fed[1] Ind[] Sta[] Fee[]  
(No. UTB000192 )

☒ Potash (Y/N)

☒ Oil Shale 190-5 (B) or 190-3 or 190-13

☒ Water Permit

(No. MUNICIPAL )

☒ RDCC Review (Y/N)

(Date: )

☒ Fee Surf Agreement (Y/N)

☒ Intent to Commingle (Y/N)

**LOCATION AND SITING:**

\_\_\_ R649-2-3.

Unit: \_\_\_\_\_

\_\_\_ R649-3-2. General

Siting: 460 From Qtr/Qtr & 920' Between Wells

☒ R649-3-3. Exception

\_\_\_ Drilling Unit

Board Cause No: \_\_\_\_\_

Eff Date: \_\_\_\_\_

Siting: \_\_\_\_\_

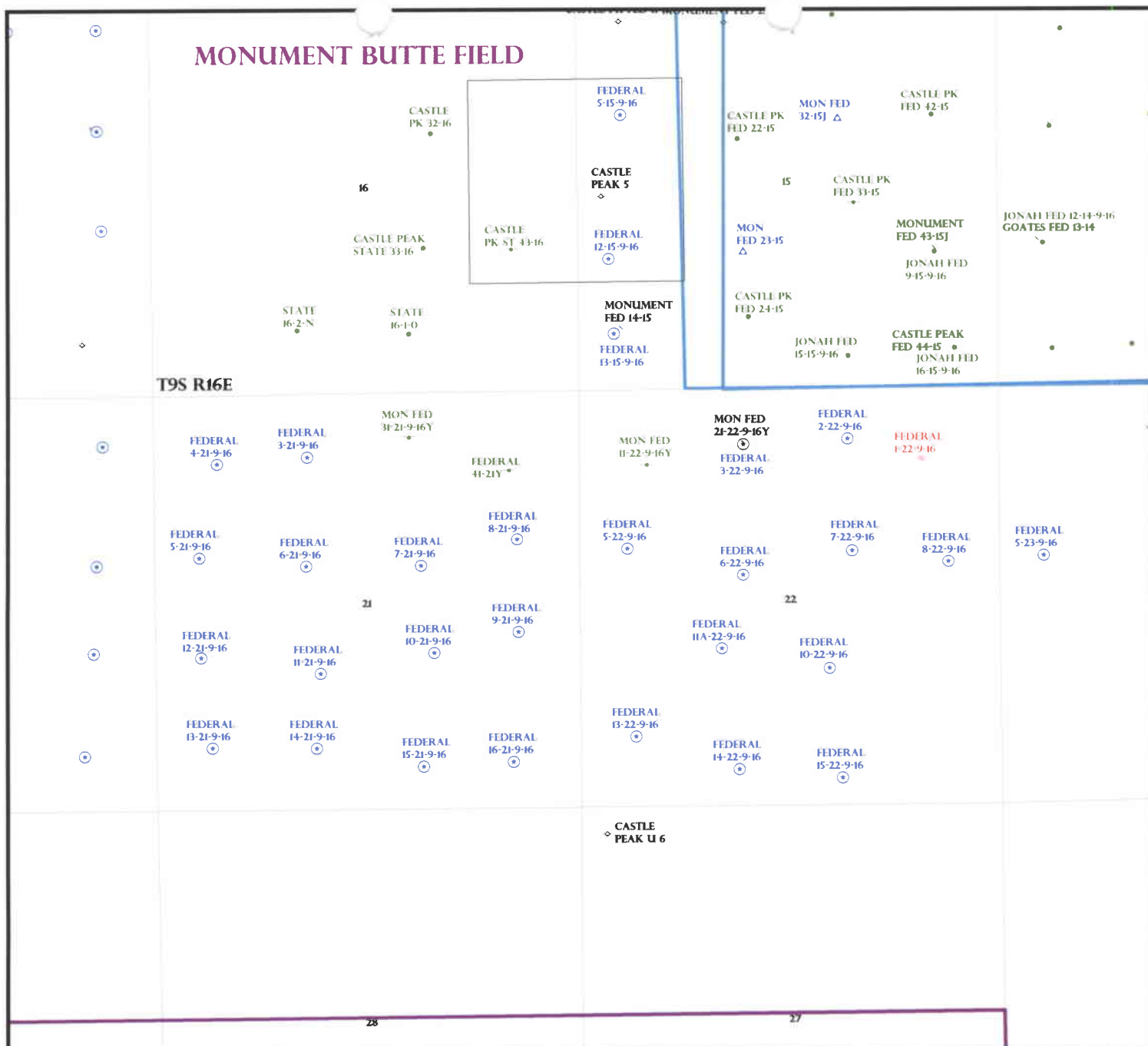
\_\_\_ R649-3-11. Directional Drill

COMMENTS: Sep, Separat file

STIPULATIONS: 1- Fee of Approval

2- Spacing Strip

# MONUMENT BUTTE FIELD



OPERATOR: NEWFIELD PROD CO (N2695)

SEC: 22 T. 9S R. 16E

FIELD: MONUMENT BUTT (105)

COUNTY: DUCHESNE

SPACING: R649-3-3 / EXCEPTION LOCATION

## Field Status

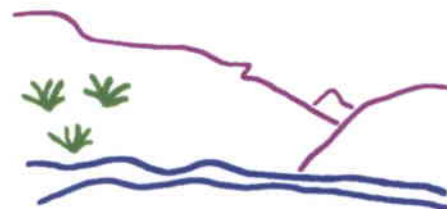
- ☒ ABANDONED
- ☒ ACTIVE
- ☒ COMBINED
- ☒ INACTIVE
- ☒ PROPOSED
- ☒ STORAGE
- ☒ TERMINATED

## Unit Status

- ☒ EXPLORATORY
- ☒ GAS STORAGE
- ☒ NF PP OIL
- ☒ NF SECONDARY
- ☒ PENDING
- ☒ PI OIL
- ☒ PP GAS
- ☒ PP GEOTHERML
- ☒ PP OIL
- ☒ SECONDARY
- ☒ TERMINATED

## Wells Status

- ☒ GAS INJECTION
- ☒ GAS STORAGE
- ☒ LOCATION ABANDONED
- ☒ NEW LOCATION
- ☒ PLUGGED & ABANDONED
- ☒ PRODUCING GAS
- ☒ PRODUCING OIL
- ☒ SHUT-IN GAS
- ☒ SHUT-IN OIL
- ☒ TEMP. ABANDONED
- ☒ TEST WELL
- ☒ WATER INJECTION
- ☒ WATER SUPPLY
- ☒ WATER DISPOSAL
- ☒ DRILLING



Utah Oil Gas and Mining



PREPARED BY: DIANA WHITNEY  
DATE: 27-APRIL-2006



**State of Utah**

**Department of  
Natural Resources**

MICHAEL R. STYLER  
*Executive Director*

**Division of  
Oil, Gas & Mining**

JOHN R. BAZA  
*Division Director*

JON M. HUNTSMAN, JR.  
*Governor*

GARY R. HERBERT  
*Lieutenant Governor*

June 8, 2006

Newfield Production Company  
Rt. 3, Box 3630  
Myton, UT 84052

Re: Federal 15-22-9-16 Well, 355' FSL, 1987' FEL, SW SE, Sec. 22, T. 9 South,  
R. 16 East, Duchesne County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. § 40-6-1 *et seq.*, Utah Administrative Code R649-3-1 *et seq.*, and the attached Conditions of Approval, approval to drill the referenced well is granted.

Appropriate information has been submitted to DOGM and administrative approval of the requested exception location is hereby granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-013-33167.

Sincerely,

A handwritten signature in black ink, appearing to read "Gil Hunt".

Gil Hunt  
Associate Director

pab  
Enclosures

cc: Duchesne County Assessor  
Bureau of Land Management, Vernal District Office

**Operator:** Newfield Production Company  
**Well Name & Number** Federal 15-22-9-16  
**API Number:** 43-013-33167  
**Lease:** UTU-74392

**Location:** SW SE                      **Sec.** 22                      **T.** 9 South                      **R.** 16 East

### **Conditions of Approval**

**1. General**

Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

**2. Notification Requirements**

Notify the Division within 24 hours of spudding the well.

- Contact Carol Daniels at (801) 538-5284.

Notify the Division prior to commencing operations to plug and abandon the well.

- Contact Dan Jarvis at (801) 538-5338

**3. Reporting Requirements**

All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

**4. State approval of this well does not supersede the required federal approval, which must be obtained prior to drilling.**

**5. This proposed well is located in an area for which drilling units (well spacing patterns) have not been established through an order of the Board of Oil, Gas and Mining (the "Board"). In order to avoid the possibility of waste or injury to correlative rights, the operator is requested, once the well has been drilled, completed, and has produced, to analyze geological and engineering data generated therefrom, as well as any similar data from surrounding areas if available. As soon as is practicable after completion of its analysis, and if the analysis suggests an area larger than the quarter-quarter section upon which the well is located is being drained, the operator is requested to seek an appropriate order from the Board establishing drilling and spacing units in conformance with such analysis by filing a Request for Agency Action with the Board.**

# RECEIVED

Form 3160-3  
(September 2001)

APR 26 2006

FORM APPROVED  
OMB No. 1004-0136  
Expires January 31, 2004

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

1a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. UTU-74392
1b. Type of Well: <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other <input checked="" type="checkbox"/> Single Zone <input type="checkbox"/> Multiple Zone		6. If Indian, Allottee or Tribe Name N/A
2. Name of Operator Newfield Production Company		7. If Unit or CA Agreement, Name and No. N/A
3a. Address Route #3 Box 3630, Myton UT 84052		8. Lease Name and Well No. Federal 15-22-9-16
3b. Phone No. (include area code) (435) 646-3721		9. API Well No. 43-013-33167
4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface SW/SE 355' FSL 1987' FEL At proposed prod. zone		10. Field and Pool, or Exploratory Monument Butte
11. Sec., T., R., M., or Blk. and Survey or Area SW/SE Sec. 22, T9S R16E		12. County or Parish Duchesne
13. State UT		14. Distance in miles and direction from nearest town or post office* Approximately 25.5 miles southwest of Myton, Utah
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) Approx. 2285' f/lse, NA f/unit	16. No. of Acres in lease 2080.00	17. Spacing Unit dedicated to this well 40 Acres
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. Approx. 1531'	19. Proposed Depth 5900'	20. BLM/BIA Bond No. on file UTB000192
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 5846' GL	22. Approximate date work will start* 3rd Quarter 2006	23. Estimated duration Approximately seven (7) days from spud to rig release.

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No.1, shall be attached to this form:

- |   |  |
|---|--|
| 1. Well plat certified by a registered surveyor.  | 4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).    |
| 2. A Drilling Plan.   | 5. Operator certification.   |
| 3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office). | 6. Such other site specific information and/or plans as may be required by the authorized officer. |

25. Signature <i>Mandie Crozier</i>	Name (Printed/Typed) Mandie Crozier	Date 4/25/06
Title Regulatory Specialist		
Approved by (Signature) <i>Jim Kewatt</i>	Name (Printed/Typed) Jim Kewatt	Date 2-8-2007
Title Assistant Field Manager Lands & Mineral Resources	Office	

Application approval does not warrant or certify the the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

\*(Instructions on reverse)

NOTICE OF APPROVAL

RECEIVED

JAN 14 2007

DIV. OF OIL, GAS & MINING

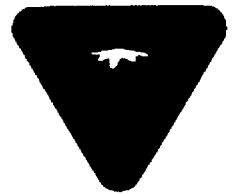
07BM4745A

UDOGH



UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
VERNAL FIELD OFFICE

170 South 500 East VERNAL, UT 84078 (435) 781-4400



**CONDITIONS OF APPROVAL FOR APPLICATION FOR PERMIT TO DRILL**

Company: Newfield Production Company  
Well No: Federal 15-22-9-16  
API No: 43-013-33167

Location: SWSE, Sec 22, T9S, R16E  
Lease No: UTU-74392  
Agreement: N/A

Petroleum Engineer:	Ryan Angus	Office: 435-781-4430	Cell: 435-828-
Petroleum Engineer:	James Ashley	Office: 435-781-4470	Cell: 435-828-7874
Petroleum Engineer:	Matt Baker	Office: 435-781-4490	Cell: 435-828-4470
Petroleum Engineer:	Michael Lee	Office: 435-781-4432	
Supervisory Petroleum Technician:	Jamie Sparger	Office: 435-781-4502	Cell: 435-828-3913
NRS/Environmental Scientist:	Scott Ackerman	Office: 435-781-4437	
NRS/Environmental Scientist:	Paul Buhler	Office: 435-781-4475	Cell: 435-828-4029
NRS/Environmental Scientist:	Jannice Cutler	Office: 435-781-3400	
NRS/Environmental Scientist:	Michael Cutler	Office: 435-781-3401	
NRS/Environmental Scientist:	Anna Figueroa	Office: 435-781-3407	
NRS/Environmental Scientist:	Melissa Hawk	Office: 435-781-4476	
NRS/Environmental Scientist:	Chuck Macdonald	Office: 435-781-4441	
NRS/Environmental Scientist:	Nathan Packer	Office: 435-781-3405	
NRS/Environmental Scientist:	Verlyn Pindell	Office: 435-781-3402	
NRS/Environmental Scientist:	Holly Villa	Office: 435-781-4404	
NRS/Environmental Scientist:	Darren Williams	Office: 435-781-4447	
NRS/Environmental Scientist:	Karl Wright	Office: 435-781-4484	
After Hours Contact Number: 435-781-4513		Fax: 435-781-4410	

**A COPY OF THESE CONDITIONS SHALL BE FURNISHED TO YOUR  
FIELD REPRESENTATIVE TO INSURE COMPLIANCE**

All lease and/or unit operations are to be conducted in such a manner that full compliance is made with the applicable laws, regulations (43 CFR Part 3160), and this approved Application for Permit to Drill including Surface and Downhole Conditions of Approval. The operator is considered fully responsible for the actions of his subcontractors. A copy of the approved APD must be on location during construction, drilling, and completion operations. **This permit is approved for a one-year period. An additional year extension may be applied for by sundry notice prior to expiration.**

**NOTIFICATION REQUIREMENTS**

Location Construction (Notify NRS)	-	Forty-Eight (48) hours prior to construction of location and access roads.
Location Completion (Notify NRS)	-	Prior to moving on the drilling rig.
Spud Notice (Notify Petroleum Engineer)	-	Twenty-Four (24) hours prior to spudding the well.
Casing String & Cementing (Notify Supervisory Petroleum Technician)	-	Twenty-Four (24) hours prior to running casing and cementing all casing
BOP & Related Equipment Tests (Notify Supervisory Petroleum Technician)	-	Twenty-Four (24) hours prior to initiating pressure tests.
First Production Notice (Notify Petroleum Engineer)	-	Within Five (5) business days after new well begins or production resumes after well has been off production for more than ninety (90) days.

***SURFACE USE PROGRAM  
CONDITIONS OF APPROVAL (COAs)***

**STIPULATIONS:**

1. Adhere to Executive Order 5327 of April 15, 1930, stipulations for lands in oil shale withdrawal.
2. Lease Notices from RMP: Lessee/operator is given notice the area has been identified as containing Golden Eagle and Ferruginous Hawk habitat. Modifications may be required in the Surface Use Plan to protect the Golden Eagle and Ferruginous Hawk and/or their habitat from surface disturbing activities in accordance with Section 6 of the lease terms, Endangered Species Act, and 43 CFR 3101.1-2.  
Comments: None of the suspected species (or their burrows or nests) was identified on or near the location.
3. Notice to Lessee- Oil and Gas Lease Qualifications:
4. This lease is the under the provisions of the Mineral Leasing Act (MLA) of 1920, as amended by the Federal Coal Leasing Amendments Act of 1976, affect an entity's qualifications to obtain an oil and gas lease.

**CONDITIONS OF APPROVAL:**

1. This well is being approved in accordance with Washington Instruction Memorandum 2005-247 and Section 390 (Category 3) of the Energy Policy Act which establishes statutory categorical exclusions (CX) under the National Environmental Policy Act (NEPA). Category 3 states that an oil or gas well can be drilled within a developed field for which an approved land use plan or any environmental document prepared pursuant to NEPA analyzed drilling as a reasonably foreseeable activity, so long as such plan or document was approved within five (5) years prior to the date of spudding the well. This well is covered under the *Final Environmental Impact Statement and Record of Decision Castle Peak and Eightmile Flat Oil and Gas Exploration Project Newfield Rocky Mountains Inc.*, signed August 24, 2005. If the well has not been spudded by August 24, 2010, a new environmental document will have to be prepared prior to the approval of the APD.
2. All applicable local, state, and/or federal laws, regulations, and/or statutes will be complied with.
3. All traffic related to this action will be restricted to approved routes. Cross-country vehicle travel will not be allowed.
4. No vehicle travel, construction or routine maintenance activities shall be performed during periods when the soil is too wet to adequately support vehicles and/or construction equipment. If such equipment creates ruts in excess of four inches deep, the soil shall be deemed too wet to adequately support construction equipment.
5. The access road will be crowned and ditched. Flat-bladed roads are not allowed.
6. If additional erosion occurs during the life of this project, more culverts, low water crossings, berms, wing ditches or etc. will be needed to control the erosion.

7. Low-water crossings will be appropriately constructed to avoid sedimentation of drainage ways and other water resources.
8. Pipelines will be buried at all major drainage crossings.
9. Prevent fill and stock piles from entering drainages.
10. The reserve pit will be lined with a 12 ml or greater liner and felt prior to spudding.
11. The liner is to be cut 5 feet below ground surface or at the level of the cuttings, whichever is deeper, and the excess liner material is to be disposed of at an authorized disposal site.
12. When the reserve pit contains fluids or toxic substances, the operator must ensure animals do not ingest or become entrapped in pit fluids.
  1. If paleontologic or cultural materials are uncovered during construction, the operator shall immediately stop work that might further disturb or move such materials and contact the Authorized Officer (AO) within 48 hours. A determination will be made by the AO as to necessary mitigation for the discovered paleontologic/cultural material.
  2. If Uinta Basin hookless cactus or other special status plants are found, construction will cease and the AO will be notified to determine the appropriate mitigation.
13. The interim seed mix for this location shall be:

Crested wheatgrass ( <i>Agropyron cristatum</i> ):	4 lbs/acre
Needle and Threadgrass ( <i>Hesperostipa comata</i> ):	4 lbs/acre
Indian Ricegrass ( <i>Achnatherum hymenoides</i> ):	4 lbs/acre

All pounds are in pure live seed.  
Rates are set for drill seeding; double the rate if broadcasting.  
Reseeding may be required if initial seeding is not successful.
14. The operator will be responsible for treatment and control of invasive and noxious weeds.
15. The topsoil from the reserve pit shall be stripped and piled separately near the reserve pit. When the reserve pit is closed, it shall be re-contoured and the topsoil re-spread, and the area shall be seeded in the same manner as the location topsoil.
16. Once the location is plugged and abandoned, it shall be re-contoured to natural topology, topsoil shall be re-spread, and the entire location shall be seeded with a seed mix recommended by the AO (preferably of native origin). Seed application will follow all guidelines in the interim seed mix bullet statement above. If reclamation seeding shall take place using the broadcast method, the seed at a minimum will be walked into the soil with a dozer immediately after the seeding is completed.



17. The authorized officer may prohibit surface disturbing activities during severe winter conditions to minimize watershed damage. This limitation does not apply to operation and maintenance of producing wells.
18. The authorized officer may prohibit surface disturbing activities during wet or muddy conditions to minimize watershed damage. This limitation does not apply to operation and maintenance of producing wells.
19. All well facilities not regulated by OSHA will be painted Carlsbad Canyon.
20. All boulders with a length or diameter greater than 3 feet, that are found showing at the surface, will be stockpiled for use during final reclamation.
21. Notify the Authorized Officer 48 hours prior to surface disturbing activities.

### ***DOWNHOLE CONDITIONS OF APPROVAL***

**All provisions outlined in Onshore Oil & Gas Order #2 Drilling Operations shall be strictly adhered to.** The following items are emphasized:

#### **SITE SPECIFIC DOWNHOLE CONDITIONS OF APPROVAL**

1. Production casing cement shall be brought up and into the surface.

#### **DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS**

1. There shall be no deviation from the proposed drilling, completion, and/or workover program as approved. Safe drilling and operating practices must be observed. All wells, whether drilling, producing, suspended, or abandoned, shall be identified in accordance with 43 CFR 3162.6. There shall be a sign or marker with the name of the operator, lease serial number, well number, and surveyed description of the well. Any changes in operation must have prior approval from the BLM, Vernal Field Office Petroleum Engineers.
2. The spud date and time shall be reported orally to Vernal Field Office within 24 hours of spudding.
3. **Notify Vernal Field Office Supervisory Petroleum Engineering Technician at least 24 hours in advance of casing cementing operations and BOPE & casing pressure tests.**
4. Blowout prevention equipment (BOPE) shall remain in use until the well is completed or abandoned. Closing unit controls shall remain unobstructed and readily accessible at all times. Choke manifolds shall be located outside of the rig substructure.

All BOPE components shall be inspected daily and those inspections shall be recorded in the daily drilling report. Components shall be operated and tested as required by Onshore Oil & Gas Order No. 2 to insure good mechanical working order. All BOPE pressure tests shall be performed by a test pump with a chart recorder and **NOT** by the rig pumps. Test shall be reported in the driller's log.

BOP drills shall be initially conducted by each drilling crew within 24 hours of drilling out from under the surface casing and weekly thereafter as specified in Onshore Oil & Gas Order No. 2.

Casing pressure tests are required before drilling out from under all casing strings set and cemented in place.

No aggressive/fresh hard-banded drill pipe shall be used within casing.

5. The lessee/operator must report all shows of water or water-bearing sands to the BLM. If flowing water is encountered it must be sampled and analyzed (a copy of the analyses to be submitted to the BLM Field Office in Vernal, Utah).
6. All oil and gas shows shall be adequately tested for commercial possibilities, reported, and protected.

7. The lessee/operator must report encounters of all non oil & gas mineral resources (such as gilsonite, tar sands, oil shale, etc.) to a geologist of the Vernal Field Office in writing within 5 working days of each encounter. Each report shall include the well name/number, well location, date and depth (from KB or GL) of encounter, vertical footage of the encounter and, the name of the person making the report (along with a telephone number) should the BLM need to obtain additional information.
8. No location shall be constructed or moved, no well shall be plugged, and no drilling or workover equipment shall be removed from a well to be placed in a suspended status without prior approval of the BLM, Vernal Field Office. If operations are to be suspended for more than 30 days, prior approval of the BLM, Vernal Field Office shall be obtained and notification given before resumption of operations.
9. Chronologic drilling progress reports shall be filed directly with the BLM, Vernal Field Office on a weekly basis in sundry, letter format or e-mail to the Petroleum Engineers until the well is completed.

Any change in the program shall be approved by the BLM, Vernal Field Office. "Sundry Notices and Reports on Wells" (Form BLM 3160-5) shall be filed for all changes of plans and other operations in accordance with 43 CFR 3162.3-2.

Emergency approval may be obtained orally, but such approval does not waive the written report requirement. Any additional construction, reconstruction, or alterations of facilities, including roads, gathering lines, batteries, etc., which will result in the disturbance of new ground, shall require the filing of a suitable plan pursuant to Onshore Oil & Gas Order No. 1 of 43 CFR 3164.1 and prior approval by the BLM, Vernal Field Office.

In accordance with 43 CFR 3162.4-3, this well shall be reported on the "Monthly Report of Operations" (Oil and Gas Operations Report ((OGOR)) starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report shall be filed in duplicate, directly with the Minerals Management Service, P.O. Box 17110, Denver, Colorado 80217-0110, or call 1-800-525-7922 (303) 231-3650 for reporting information.

10. Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (BLM Form 3160-4) shall be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3162.4-1. Two copies of all logs run, core descriptions, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, shall be filed on BLM Form 3160-4. Submit with the well completion report a geologic report including, at a minimum, formation tops, and a summary and conclusions. Also include deviation surveys, sample descriptions, strip logs, core data, drill stem test data, and results of production tests if performed. Samples (cuttings, fluid, and/or gas) shall be submitted only when requested by the BLM, Vernal Field Office.

A cement bond log (CBL) will be run from the production casing shoe to the surface casing shoe and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.

**Please submit an electronic copy of all other logs run on this well in LAS format to UT\_VN\_Wellogs@BLM.gov. This submission will supersede the requirement for submittal of paper logs to the BLM.**

11. All off-lease storage, off-lease measurement, or commingling on-lease or off-lease shall have prior written approval from the BLM, Vernal Field Office.

All measurement points shall be identified as point of sales or allocation for royalty determination prior to the installation of facilities.

12. Oil and gas meters shall be calibrated in place prior to any deliveries. The Field Office Petroleum Engineers will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports shall be submitted to the BLM, Vernal Field Office. All measurement facilities will conform to the API standards for liquid hydrocarbons and the AGA standards for natural gas measurement.
13. A schematic facilities diagram as required by Onshore Oil & Gas Order No. 3 shall be submitted to the BLM, Vernal Field Office within 30 days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with Onshore Oil & Gas Order No. 3.
14. This APD is approved subject to the requirement that, should the well be successfully completed for production, the BLM, Vernal Field office must be notified when it is placed in a producing status. Such notification will be by written communication and must be received in this office by not later than the fifth business day following the date on which the well is placed on production. The notification shall provide, as a minimum, the following informational items:
  - a. Operator name, address, and telephone number.
  - b. Well name and number.
  - c. Well location (1/4 1/4, Sec., Twn, Rng, and P.M.).
  - d. Date well was placed in a producing status (date of first production for which royalty will be paid).
  - e. The nature of the well's production, (i.e., crude oil, or crude oil and casing head gas, or natural gas and entrained liquid hydrocarbons).
  - f. The Federal or Indian lease prefix and number on which the well is located; otherwise the non-Federal or non-Indian land category, i.e., State or private.

- g. Unit agreement and / or participating area name and number, if applicable.
- h. Communitization agreement number, if applicable.

15. Any venting or flaring of gas shall be done in accordance with Notice to Lessees (NTL) 4A and needs prior approval from Field Office Petroleum Engineers.
16. All undesirable events (fires, accidents, blowouts, spills, discharges) as specified in NTL 3A will be reported to the BLM, Vernal Field Office. Major events as defined in NTL3A, shall be reported verbally within 24 hours, followed by a written report within 15 days. "Other than Major Events" will be reported in writing within 15 days. "Minor Events" will be reported on the Monthly Report of Operations and Production
17. Pursuant to Onshore Oil & Gas Order No. 7, this is authorization for pit disposal of water produced from this well for a period of 90 days from the date of initial production. A permanent disposal method must be approved by this office and in operation prior to the end of this 90-day period. In order to meet this deadline, an application for the proposed permanent disposal method shall be submitted along with any necessary water analyses, as soon as possible, but no later than 45 days after the date of first production. Any method of disposal which has not been approved prior to the end of the authorized 90-day period will be considered as an Incident of Noncompliance and will be grounds for issuing a shut-in order until an acceptable manner for disposing of said water is provided and approved by this office.
18. Unless the plugging is to take place immediately upon receipt of oral approval, the Field Office Petroleum Engineers must be notified at least 24 hours in advance of the plugging of the well, in order that a representative may witness plugging operations. If a well is suspended or abandoned, all pits must be fenced immediately until they are backfilled. The "Subsequent Report of Abandonment" (Form BLM 3160-5) must be submitted within 30 days after the actual plugging of the well bore, showing location of plugs, amount of cement in each, and amount of casing left in hole, and the current status of the surface restoration.

## DIVISION OF OIL, GAS AND MINING

### **SPUDDING INFORMATION**

Name of Company: NEWFIELD PRODUCTION COMPANY

Well Name: FEDERAL 15-22-9-16

Api No: 43-013-33167 Lease Type: FEDERAL

Section 22 Township 09S Range 16E County DUCHESNE

Drilling Contractor ROSS DRILLING RIG # 21

### **SPUDDED:**

Date 04/17/07

Time 2:00 PM

How DRY

**Drilling will Commence:** \_\_\_\_\_

Reported by JOHNNY DAVIS

Telephone # (435) 823-3610

Date 04/18/07 Signed CHD

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING  
ENTITY ACTION FORM - FORM 6

OPERATOR: NEWFIELD PRODUCTION COMPANY  
ADDRESS: RT. 3 BOX 3830  
MYTON, UT 84052

OPERATOR ACCT. NO. N2895

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
B	99999	15150	43-013-33273	MON BT NE H-25-8-16	NE/NW	25	8S	16E	DUCHESNE	4/18/2007	4/26/07
WELL 1 COMMENTS: <i>GRUV BHL = C of N/2</i>											
A	99999	16063	43-013-33175	FEDERAL 9-22-9-16	NE/SE	22	9S	16E	DUCHESNE	4/19/2007	4/26/07
<i>GRUV</i>											
A	99999	16064	43-013-33050	FEDERAL 11A-9-9-16	NE/SW	9	9S	16E	DUCHESNE	4/23/2007	4/26/07
<i>GRUV</i>											
A	99999	16065	43-013-33052	FEDERAL 13-9-9-16	SW/SW	9	9S	16E	DUCHESNE	4/21/2007	4/26/07
<i>GRUV</i>											
B	99999	15150	43-013-33274	MON BT NE C-25-8-16	NW/NE	25	8S	16E	DUCHESNE	4/20/2007	4/26/07
WELL 5 COMMENTS: <i>GRUV BHL = NW corner of NE Quad</i>											
A	99999	16066	43-013-33167	FEDERAL 15-22-9-16	SW/SE	22	9S	16E	DUCHESNE	4/22/2007	4/26/07
WELL 6 COMMENTS: <i>GRUV</i>											

- ACTION CODES (See instructions on back of form)
- A - new entity for new well (single well only)
  - B - well to existing entity (group or unit well)
  - C - from one existing entity to another existing entity
  - D - well from one existing entity to a new entity
  - E - for (operator is comments section)

NOTE: Use COMMENT section to explain why each Action Code was selected.

*Jenri Park*  
Signature  
Production Clerk

Jenri Park

26  
April 16, 2007  
Date

RECEIVED

APR 25 2007

DIV. OF OIL, GAS & MINING

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0135  
Expires January 31, 2004

**SUNDRY NOTICES AND REPORTS ON WELLS**  
**Do not use this form for proposals to drill or to re-enter an**  
**abandoned well. Use Form 3160-3 (APD) for such proposals.**

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

NEWFIELD PRODUCTION COMPANY

3a. Address

Route 3 Box 3630  
Myton, UT 84052

3b. Phone (include area code)

435.646.3721

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

355 FSL 1987 FEL

SWSE Section 22 T9S R16E

5. Lease Serial No.

USA UTU-74392

6. If Indian, Allottee or Tribe Name.

7. If Unit or CA/Agreement, Name and/or

8. Well Name and No.

FEDERAL 15-22-9-16

9. API Well No.

4301333167

10. Field and Pool, or Exploratory Area

MONUMENT BUTTE

11. County or Parish, State

DUCHESNE, UT

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production(Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug & Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to	<input type="checkbox"/> Plug Back	<input checked="" type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplate horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Formation water is produced to a steel storage tank. If the production water meets quality guidelines, it is transported to the Ashley, Monument Butte, Jonah, and Beluga water injection facilities by company or contract trucks. Subsequently, the produced water is injected into approved Class II wells to enhance Newfield's secondary recovery project.

Water not meeting quality criteria, is disposed at Newfield's Pariette #4 disposal well (Sec. 7, T9S R19E) or at State of Utah approved surface disposal facilities.

Accepted by the  
Utah Division of  
Oil, Gas and Mining  
**FOR RECORD ONLY**

**RECEIVED**  
**JUN 20 2007**

DIV. OF OIL, GAS & MINING

I hereby certify that the foregoing is true and correct (Printed/ Typed)

Mandie Crozier

Title

Regulatory Specialist

Date

06/19/2007

Approved by

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Title

Date

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious and fraudulent statements or representations as to any matter within its jurisdiction

(Instructions on reverse)



STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

5. LEASE DESIGNATION AND SERIAL NUMBER:  
USA UTU-74392

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL: OIL WELL ☒ GAS WELL ☐ OTHER

8. WELL NAME and NUMBER:  
FEDERAL 15-22-9-16

2. NAME OF OPERATOR:  
NEWFIELD PRODUCTION COMPANY

9. API NUMBER:  
4301333167

3. ADDRESS OF OPERATOR: Route 3 Box 3630 CITY Myton STATE UT ZIP 84052 PHONE NUMBER 435.646.3721

10. FIELD AND POOL, OR WILDCAT:  
MONUMENT BUTTE

4. LOCATION OF WELL:  
FOOTAGES AT SURFACE: 355 FSL 1987 FEL

COUNTY: DUCHESNE

OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: SWSE, 22, T9S, R16E

STATE: UT

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate)  Approximate date work will  	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> DEEPEN <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> PLUG BACK <input type="checkbox"/> PRODUCTION (START/STOP) <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	<input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> TEMPORARITLY ABANDON <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> VENT OR FLAIR <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> WATER SHUT-OFF <input checked="" type="checkbox"/> OTHER: - Weekly Status Report
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only)  Date of Work Completion:  07/02/2007			

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

The above subject well was completed on 06/18/07, attached is a daily completion status report.

NAME (PLEASE PRINT) Jentri Park

TITLE Production Clerk

SIGNATURE

DATE 07/02/2007

(This space for State use only)

RECEIVED

JUL 11 2007

DIV OF OIL, GAS & MINING

**Daily Activity Report**

Format For Sundry

**FEDERAL 15-22-9-16****4/1/2007 To 8/30/2007****6/8/2007 Day: 1****Completion**

Rigless on 6/7/2007 - Install 5M frac head. NU 6" 5M Cameron BOP. RU H/O truck & pressure test casing, blind rams, frac head & casing valves to 4500 psi. RU Perforators LLC WLT w/ mast & run CBL under pressure. WLTD @ 5697' & cement top @ surface. Perforate stage #1. CP5 sds @ 5574-5582' w/ 3 1/8" Slick guns (19 gram, .49" HE, 120°, 21.92" pen, EXP-3319-331 Titan) w/ 4 spf for total of 32 shots. 136 BWTR. SIFN.

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**6/12/2007 Day: 2****Completion**

Rigless on 6/11/2007 - RU BJ Services "Ram Head" frac flange. RU BJ & frac CP5 sds, stage #1 down casing w/ 19,614#'s of 20/40 sand in 325 bbls of Lightning 17 frac fluid. Open well w/ 0 psi on casing. Perfs broke down @ 3280 psi. Treated @ ave pressure of 2433 w/ ave rate of 24.8 bpm w/ 6.5 ppg of sand. Spot 12 bbls of 15% HCL acid in flush for next stage. ISIP was 2430. 461 bbls EWTR. Leave pressure on well. RU Lone Wolf WLT, crane & lubricator. RIH w/ Weatherford 5-1/2" (6K) solid composite frac plug & 13' perf gun. Set plug @ 5510'. Perforate CP3 sds @ 5402-15', CP2 sds @ 5363-69', CP1 sds @ 5330-40' w/ 3-1/8" Slick Guns (23 gram, .46" HE, 90° ) w/ 4 spf for total of 116 shots (3 runs due to misfire). RU BJ & perfs won't break down. RIH & spot 10 gals of 15% HCL acid on perfs. RU BJ & frac stage #2 w/ 34,912#'s of 20/40 sand in 403 bbls of Lightning 17 frac fluid. Open well w/ 0 psi on casing. Perfs broke down @ 3620 psi. Treated @ ave pressure of 2224 w/ ave rate of 24.8 bpm w/ 6.5 ppg of sand. Spot 12 bbls of 15% HCL acid in flush for next stage. ISIP was 1976. 864 bbls EWTR. Leave pressure on well. RU WLT. RIH w/ flow through frac plug & 12' perf gun. Set plug @ 4960'. Perforate A1 sds @ 4852-64' w/ 4 spf for total of 48 shots. RU BJ & frac stage #3 w/ 19,473#'s of 20/40 sand in 287 bbls of Lightning 17 frac fluid. Open well w/ 1671 psi on casing. Perfs broke down @ 3893 psi. Treated @ ave pressure of 1777 w/ ave rate of 24.8 bpm w/ 6.5 ppg of sand. Spot 12 bbls of 15% HCL acid in flush for next stage. ISIP was 1860. 1151 bbls EWTR. Leave pressure on well. RU WLT. RIH w/ flow through frac plug & 6' perf gun. Set plug @ 4760'. Perforate B1 sds @ 4656-62' w/ 4 spf for total of 24 shots. RU BJ & frac stage #4 w/ 14,664#'s of 20/40 sand in 237 bbls of Lightning 17 frac fluid. Open well w/ 1499 psi on casing. Perfs broke down @ 3921 psi. Treated @ ave pressure of 1924 w/ ave rate of 24.8 bpm w/ 6.5 ppg of sand. Spot 12 bbls of 15% HCL acid in flush for next stage. ISIP was 1720. 1388 bbls EWTR. Leave pressure on well. RU WLT. RIH w/ solid frac plug & 6' perf gun. Set plug @ 4540'. Perforate D1 sds @ 4425-31' w/ 4 spf for total of 24 shots. RU BJ & frac stage #5 w/ 22,099#'s of 20/40 sand in 274 bbls of Lightning 17 frac fluid. Open well w/ 330 psi on casing. Perfs broke down @ 2369 psi. Treated @ ave pressure of 2182 w/ ave rate of 24.8 bpm w/ 6.5 ppg of sand. ISIP was 1700. 1662 bbls EWTR. RD BJ & WLT. Flow well back. Well flowed for 2 hours & died w/ 150 bbls rec'd. SIFN.

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**6/14/2007 Day: 3****Completion**

NC #1 on 6/13/2007 - 4:00PM MIRU NC#1, R/U R/pmp & pmp Lines, 7:00PM C/SDFN.

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**6/15/2007 Day: 4****Completion**

NC #1 on 6/14/2007 - 6:30AM OWU, N/D 10,000 BOP & Frac H/D, N/U 3,000 Flnge & 5,000 BOP, RIH W/-4 3/4 Bit, Bit Sub, 146 Jts Tbg To Fill @ 4471', R/U R/pmp, R/U Nabors Pwr Swvl, C/Out To Plg @ 4640', Drill Up Plg, Swvl I/Hle To Fill @ 4698', C/Out To Plg @ 4760', Drill Up Plg, SWI, 6:00PM C/SDFN. EOB @ 4761'.

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6/18/2007 Day: 5

Completion

NC #1 on 6/17/2007 - 6:30AM OWU, RIH W/-Tbg To Plg @ 4960', Drill Up Plg, Swvl I/Hle To Fill @ 5428', C/Out To Plg @ 5510', Drill Up Plg, Swvl I/Hle To Fill @ 5651', C/Out To PBTD @ 5715', Curc Well Clean 1 Hr, POOH W/-5 Jts Tbg, EOB @ 5590', R/U Swab, RIH IFL @ Surf, Made 14 Swab Runs, Recvred 159 Bbls Wtr, Lite Trce Sand, Lite Trce Oil, FFL @ , RIH W/Tbg To Fill @ 5710', C/Out To PBTD @ 5715', Curc Well Clean, POOH W/-187 Jts Tbg, Bit Sub & Bit. P/U & RIH W/-N/C, 1 Jt Tbg, S/N, 1 Jt Tbg, 5 1/2 T/A, 181 Jts Tbg, SWI, 6:00PM C/SDFN, Lost 28 Bbls Wtr On Drill Out To PBTD, Recvred 159 Bbls Wtr Swabbing, Lost 73 Bbls Wtr On Curc Out @ PBTD, Total Wtr Recvery For Day = 58 Bbls.

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6/19/2007 Day: 6

Completion

NC #1 on 6/18/2007 - 6:30AM OWU, N/D BOP, Set T/A In 15,000 Tension, N/U W/-HD. R/U R/pmp, Flsh Tbg W/-60 Bbls Wtr, P/U Stroke & RIH W/-CDI-2 1/2x1 1/2x20x20 1/2' RHAC & Rod String Shown Below. R/U Unit, Hle Standing Full, Stroke pmp & Tbg To 800 Psi W/-Rig Good Test. R/D Rig & Eq, M/Out @ 12:30PM, Leave Unit Down Due To Plumbing Of Dry Gas, Unit Has 120" SL, Lost 11 Bbls Wtr Flushing Tbg W/-60 Bbls @ 6:30 AM, ( Final Report ).

---

Pertinent Files: Go to File List



37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals, and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries);				38. GEOLOGIC MARKERS		
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
			Well Name Federal 15-22-9-16	Garden Gulch Mkr	3404'	
				Garden Gulch 1	3615'	
				Garden Gulch 2	3724'	
				Point 3 Mkr	3954'	
				X Mkr	4239'	
				Y-Mkr	4271'	
				Douglas Creek Mkr	4389'	
				BiCarbonate Mkr	4615'	
				B Limestone Mkr	4715'	
				Castle Peak	5251'	
				Basal Carbonate	5696'	
				Total Depth (LOGGERS)	5775'	



RECEIVED  
FEB 17 2012  
DIV. OF OIL, GAS & MINING

February 9, 2012

Mr. Mark Reinbold  
State of Utah  
Division of Oil, Gas and Mining  
1594 W North Temple  
Salt Lake City, Utah 84114-5801

RE: Permit Application for Water Injection Well  
Federal #15-22-9-16  
Monument Butte Field, Lease #UTU-74392  
Section 22-Township 9S-Range 16E  
Duchesne County, Utah

Dear Mr. Reinbold:

Newfield Production Company herein requests approval to convert the Federal #15-22-9-16 from a producing oil well to a water injection well in the Monument Butte (Green River) Field.

I hope you find this application complete; however, if you have any questions or require additional information, please contact me at (303) 893-0102.

Sincerely,

A handwritten signature in black ink, appearing to read "Eric Sundberg". The signature is fluid and cursive, with a long horizontal line extending to the right.

Eric Sundberg  
Regulatory Lead




**NEWFIELD PRODUCTION COMPANY**  
**APPLICATION FOR APPROVAL OF CLASS II INJECTION WELL**  
**FEDERAL #15-22-9-16**  
**MONUMENT BUTTE FIELD (GREEN RIVER) FIELD**  
**LEASE #UTU-74392**  
**FEBRUARY 9, 2012**

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## APPLICATION FOR INJECTION WELL - UIC FORM 1

Well Name and number: <u>Federal #15-22-9-16</u>							
Field or Unit name: <u>Monument Butte (Green River)</u>	Lease No. <u>UTU-74392</u>						
Well Location: QQ <u>SWSE</u> section <u>22</u> township <u>9S</u> range <u>16E</u> county <u>Duchesne</u>							
<p>Is this application for expansion of an existing project? . . . . . Yes [ X ] No [ ]</p> <p>Will the proposed well be used for:</p> <p style="padding-left: 150px;">Enhanced Recovery? . . . . . Yes [ X ] No [ ]</p> <p style="padding-left: 150px;">Disposal? . . . . . Yes [ ] No [ X ]</p> <p style="padding-left: 150px;">Storage? . . . . . Yes [ ] No [ X ]</p> <p>Is this application for a new well to be drilled? . . . . . Yes [ ] No [ X ]</p> <p>If this application is for an existing well,</p> <p style="padding-left: 20px;">has a casing test been performed on the well? . . . . . Yes [ ] No [ X ]</p> <p>Date of test: _____</p> <p>API number: <u>43-013-33167</u></p>							
<p>Proposed injection interval: from <u>3722</u> to <u>5715</u></p> <p>Proposed maximum injection: rate <u>500 bpd</u> pressure <u>1671</u> psig</p> <p>Proposed injection zone contains [ x ] oil, [ ] gas, and/or [ ] fresh water within 1/2 mile of the well.</p> <div style="border: 1px solid black; padding: 10px; margin: 10px auto; width: fit-content;"><p><b>IMPORTANT:</b> Additional information as required by R615-5-2 should accompany this form.</p></div>							
List of Attachments: <u>Attachments "A" through "H-1"</u>							
<p>I certify that this report is true and complete to the best of my knowledge.</p> <table style="width:100%;"><tr><td style="width:40%;">Name: <u>Eric Sundberg</u></td><td style="width:10%;">Signature <u></u></td></tr><tr><td>Title: <u>Regulatory Lead</u></td><td>Date: <u>2/13/12</u></td></tr><tr><td>Phone No.: <u>(303) 893-0102</u></td><td></td></tr></table>		Name: <u>Eric Sundberg</u>	Signature <u></u>	Title: <u>Regulatory Lead</u>	Date: <u>2/13/12</u>	Phone No.: <u>(303) 893-0102</u>	
Name: <u>Eric Sundberg</u>	Signature <u></u>						
Title: <u>Regulatory Lead</u>	Date: <u>2/13/12</u>						
Phone No.: <u>(303) 893-0102</u>							
<p>(State use only)</p> <p>Application approved by _____ Title _____</p> <p>Approval Date _____</p>							
Comments: _____							

# Federal 15-22-9-16

Spud Date: 4/17/2007  
Put on Production: 6-18-2007

GL: 5846' KB: 5858'

## SURFACE CASING

CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 7 jts (304.31')  
DEPTH LANDED: 316.16' KB  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 160 sxs Class "G" cmt, est 5 bbls cmt to surf.

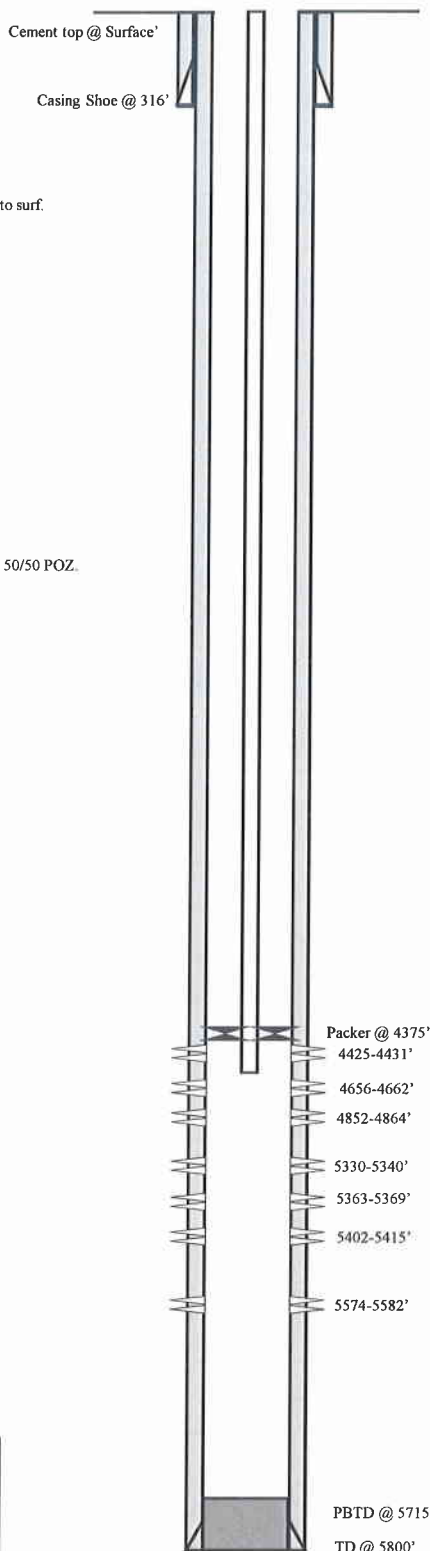
## PRODUCTION CASING

CSG SIZE: 5-1/2"  
GRADE: J-55  
WEIGHT: 15.5#  
LENGTH: 133 jts (5764.96')  
DEPTH LANDED: 5768.96' KB  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 325 sxs Prem. Lite II mixed & 425 sxs 50/50 POZ.  
CEMENT TOP AT: Surface'

## TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55  
NO. OF JOINTS: 181 jts (5532.55')  
TUBING ANCHOR: 5567.15'  
NO. OF JOINTS: 1 jts (32.45')  
SEATING NIPPLE: 2-7/8" (1.10')  
SN LANDED AT: 5600.70'  
NO. OF JOINTS: 1 jt (29.21')  
TOTAL STRING LENGTH: EOT @ 5643.65'

## Proposed Injection Wellbore Diagram



Initial Production: BOPD,  
MCFD, BWPD

## FRAC JOB

06-11-07	5574-5582'	<b>Frac CP5 sands as follows:</b> 19614# 20/40 sand in 325 bbls Lightning 17 frac fluid. Treated @ avg press of 2433 psi w/avg rate of 24.8 BPM. ISIP 2430 psi. Calc flush: 5572 gal. Actual flush: 5124 gal.
06-11-07	5330-5415'	<b>Frac CP3, CP2, &amp; CP1 sands as follows:</b> 34912# 20/40 sand in 403 bbls Lightning 17 frac fluid. Treated @ avg press of 2224 psi w/avg rate of 24.8 BPM. ISIP 1976 psi. Calc flush: 4328 gal. Actual flush: 4872 gal.
06-11-07	4852-4864'	<b>Frac A1 sands as follows:</b> 19473# 20/40 sand in 287 bbls Lightning 17 frac fluid. Treated @ avg press of 1777 psi w/avg rate of 24.8 BPM. ISIP 1860 psi. Calc flush: 4850 gal. Actual flush: 4410 gal.
06-11-07	4656-4662'	<b>Frac B1 sands as follows:</b> 14664# 20/40 sand in 237 bbls Lightning 17 frac fluid. Treated @ avg press of 1924 w/avg rate of 24.8 BPM. ISIP 1720 psi. Calc flush: 4654 gal. Actual flush: 4200 gal.
06-11-07	4425-4431'	<b>Frac D1 sands as follows:</b> 22099# 20/40 sand in 274 bbls Lightning 17 frac fluid. Treated @ avg press of 2182 w/avg rate of 24.8 BPM. ISIP 1700 psi. Calc flush: 4423 gal. Actual flush: 3948 gal.
7/23/07		Pump change: Updated rod & tubing detail.
05/29/08		pump change. Updated rod and tubing detail.
5/11/09		Tubing Leak. Updated r & t details.

## PERFORATION RECORD

06-07-07	5574-5582'	4 JSPF	32 holes
06-11-07	5402-5415'	4 JSPF	52 holes
06-11-07	5363-5369'	4 JSPF	24 holes
06-11-07	5330-5340'	4 JSPF	40 holes
06-11-07	4852-4864'	4 JSPF	48 holes
06-11-07	4656-4662'	4 JSPF	24 holes
06-11-07	4425-4431'	4 JSPF	24 holes

**NEWFIELD**



**Federal 15-22-9-16**

355' FSL & 1987' FEL

SW/SE Section 22-T9S-R16E

Duchesne Co, Utah

API # 43-013-33167; Lease # UTU-74392

## **WORK PROCEDURE FOR INJECTION CONVERSION**

1. Rig up hot oil truck to casing. Pump water. Unseat pump. Flush rods. Trip out of hole with rods and pump.
2. Trip out of hole with tubing, breaking and doping every connection. Trip in hole with packer and tubing. Rig up water truck to casing. Pump packer fluid. Set packer.
3. Test casing and packer.
4. Rig down and move out.

**REQUIREMENTS FOR INJECTION OF FLUIDS INTO RESERVOIRS  
RULE R615-5-1**

- 1. Operations to increase ultimate recovery, such as cycling of gas, the maintenance of pressure, the introduction of gas, water or other substances into a reservoir for the purpose of secondary or other enhanced recovery or for storage and the injection of water into any formation for the purpose of water disposal shall be permitted only by order of the Board after notice and hearing.**
- 2. A request for agency action for authority for the injection of gas, liquified petroleum gas, air, water or any other medium into any formation for any reason, including but not necessarily limited to the establishment of or the expansion of waterflood projects, enhanced recovery projects, and pressure maintenance projects shall contain:**

**2.1 The name and address of the operator of the project.**

Newfield Production Company  
1001 17<sup>th</sup> Street, Suite 2000  
Denver, Colorado 80202

**2.2 A plat showing the area involved and identifying all wells, including all proposed injection wells, in the project area and within one-half mile of the project area.**

See Attachment A.

**2.3 A full description of the particular operation for approval is requested.**

Approval is requested to convert the Federal #15-22-9-16 from a producing oil well to a water injection well in Monument Butte (Green River) Field.

**2.4 A description of the pools from which the identified wells are producing or have produced.**

The proposed injection well will inject into the Green River Formation.

**2.5 The names, description and depth of the pool or pools to be affected.**

The injection zone is in the Green River Formation. For the Federal #15-22-9-16 well, the proposed injection zone is from Garden Gulch to Basal Carbonate (3722' - 5715'). The confining strata directly above and below the injection zones are the Garden Gulch and the top of the Wasatch Formation or TD, which ever is shallower. The Garden Gulch Marker top is at 3402' and the TD is at 5800'.

**2.6 A copy of a log of a representative well completed in the pool.**

The referenced log for the Federal #15-22-9-16 is on file with the Utah Division of Oil, Gas and Mining.

- 2.7 A statement as to the type of fluid to be used for injection, its source and the estimated amounts to be injected daily.**

The primary type and source of fluid to be used for injection will be culinary water commingled with produced water. The average estimated injection of fluids will be at a rate of 300 BPD, and the estimated maximum injection will be at a rate of 500 BPD.

- 2.8 A list of all operators and surface owners within one-half mile radius of the proposed project.**

See Attachment B.

- 2.9 An affidavit certifying that said operators or owners and surface owners within a one-half mile radius have been provided a copy of the petition for injection.**

See Attachment C.

- 2.10 Any additional information the Board may determine is necessary to adequately review the petition.**

Newfield Production Company will supply any additional information requested by the Utah Division of Oil, Gas and Mining.

- 4.0 Establish recovery projects may be expanded and additional wells placed on injection only upon authority from the Board after notice and hearing or by administrative approval.**

This proposed injection well is on a Federal lease (Lease #UTU-74392) in the Monument Butte Federal (Green River) Field, and this request is for administrative approval.

**REQUIREMENTS FOR CLASS II INJECTION WELLS INCLUDING WATER DISPOSAL,  
STORAGE AND ENHANCED RECOVERY WELLS  
SECTION V – RULE R615-5-2**

- 1. Injection well shall be completed, equipped, operated, and maintained in a manner that will prevent pollution and damage to any USDW, or other resources and will confine injected fluids to the interval approved.**
- 2. The application for an injection well shall include a properly completed Form DOGM-UIC-1 and the following:**

- 2.1 A plat showing the location of the injection well, all abandoned or active wells within a one-half mile radius of the proposed wells, and the surface owner and the operator of any lands or producing leases, respectively, within a one-half mile radius of the proposed injection well.**

See Attachments A and B.

- 2.2 Copies of electrical or radioactive logs, including gamma ray logs, for the proposed well run prior to the installation of casing and indicating resistivity, spontaneous potential, caliper and porosity.**

All logs are on file with the Utah Division of Oil, Gas and Mining.

- 2.3 A copy of a cement bond or comparable log run for the proposed injection well after casing was set and cemented.**

A copy of the cement bond log is on file with the Utah Division of Oil, Gas and Mining.

- 2.4 Copies of logs already on file with the Division should be referenced, but need not be refiled.**

All copies of logs are on file with the Utah Division of Oil, Gas and Mining.

- 2.5 A description of the casing or proposed casing program of the injection well and of the proposed method for testing the casing before use of the well.**

The casing program is 8-5/8", 24# surface casing run to 316' KB, and 5-1/2", 15.5# casing run from surface to 5769' KB. A casing integrity test will be conducted at the time of conversion. See Attachment E.

- 2.6 A statement as to the type of fluid to be used for injection, its source and estimated amounts to be injected daily.**

The primary type and source of fluid to be used for injection will be culinary water commingled with produced water. The estimated average rate of injection will be 300 BPD, and the estimated maximum rate of injection will be 500 BPD.

- 2.7 Standard laboratory analysis of the fluid to be injected, the fluid in the formation into which the fluid is being injected, and the compatibility of the fluids.**

See Attachment F.

**The proposed average and maximum injection pressures.**

The proposed average injection pressure will be approximately 1100 psig and the maximum injection pressure will not exceed 1671 psig.

- 2.8 Evidence and data to support a finding that the proposed injection well will not initiate fractures through the overlying strata or a confining interval that could enable the injected fluid or formation fluid to enter the fresh water strata.**

The minimum fracture gradient for the Federal #15-22-9-16, for existing perforations (4425' - 5582') calculates at 0.82 psig/ft. The maximum injection pressures will be limited so as not to exceed this gradient. A step rate test will be performed periodically to ensure we are below parting pressure. The proposed maximum injection pressure is 1671 psig. We may add additional perforations between 3402' and 5800'. See Attachments G and G-1.

- 2.9 Appropriate geological data on the injection interval and confining beds, including the geologic name, lithologic description, thickness, depth, and lateral extent.**

In the Federal #15-22-9-16, the proposed injection zone (3722' - 5715') is in the Garden Gulch to the Basal Carbonate of the Green River Formation. The reservoir is a very fine-grained sandstone with minor imbedded shale streaks. The estimated porosity is 13%. The members are composed of porous and permeable lenticular calcareous sandstone and low porosity carbonates and calcareous shale. The porous and lenticular sandstone varies in thickness from 0-31' and is confined to the Monument Butte Federal Field. Outside the Monument Butte Federal Field, the sandstone is composed of tight, very fine, silty, calcareous sandstone, less than 3' thick. The stratum confining the injection zone is composed of tight, moderately calcareous, sandy lacustrine shale. All of the confining strata are impermeable, and will effectively seal off the oil, gas, and water of the injection zone from any strata directly above or below it.

- 2.10 A review of the mechanical condition of each well within a one-half mile radius of the proposed injection well to assure that no conduit exists that could enable fluids to migrate up or down the wellbore and enter the improper intervals.**

See Attachments E through E-10.

Additionally, the injection system will be equipped with high and low pressure shut down devices that will automatically shut in injection waters if a system blockage or leakage occurs. One way check valves will also ensure proper flow management. Relief valves will also be utilized for high-pressure relief.

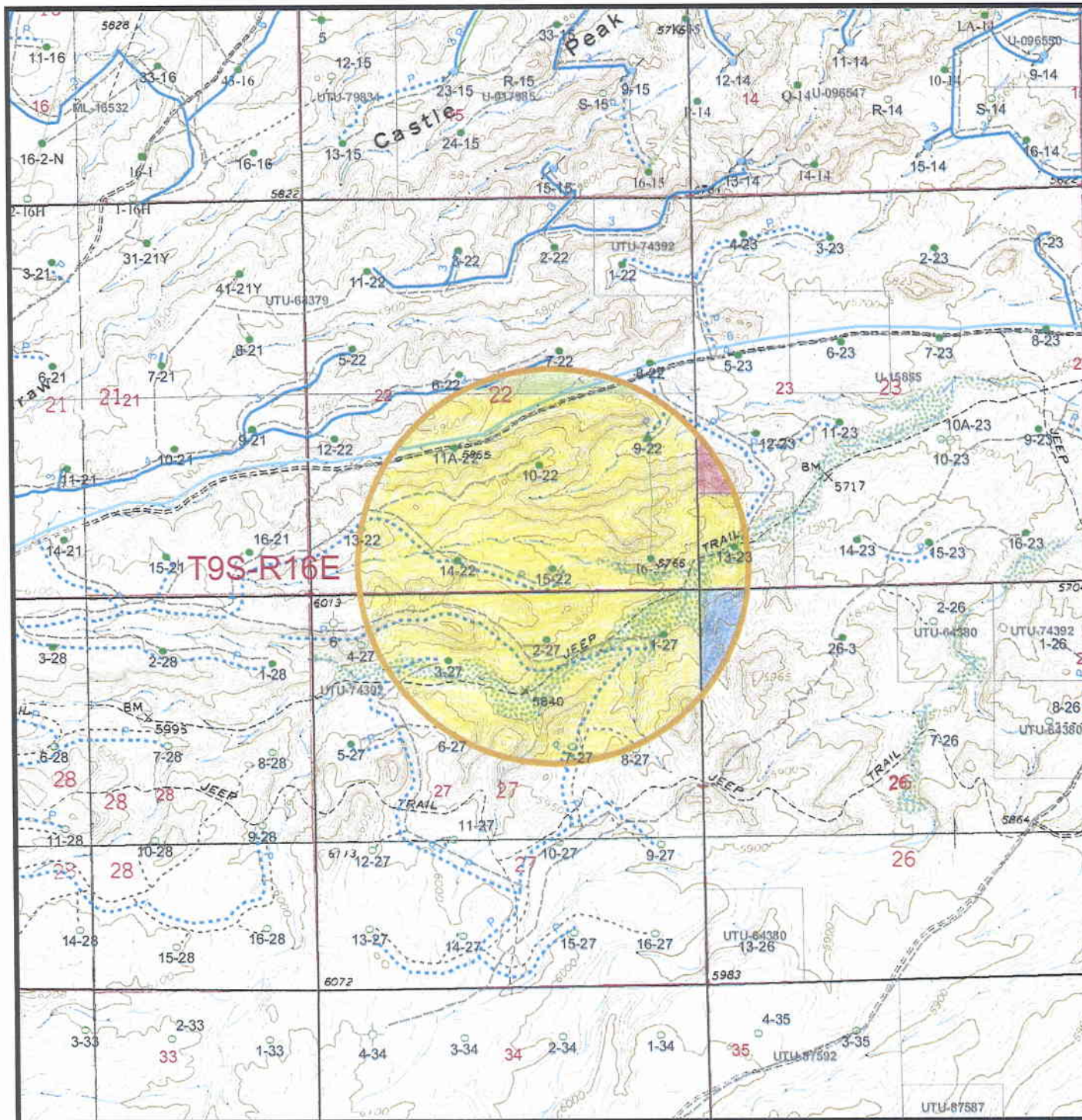
- 2.11 An affidavit certifying that a copy of the application has been provided to all operators or owners, and surface owners within a one-half mile radius of the proposed injection well.**

See Attachment C.

- 2.12 Any other information that the Board or Division may determine is necessary to adequately review the application.**

Newfield Production Company will supply any requested information to the Board or Division.





- WellStatus\_HalfMile\_Buffer**
- Well Status**
- Location
  - CTI
  - Surface Spud
  - Drilling
  - Waiting on Completion
  - Producing Oil Well
  - Producing Gas Well
  - Water Injection Well
  - Dry Hole
  - Temporarily Abandoned
  - Plugged & Abandoned
  - Shut In
  - Countyline
- Injection system**
- high pressure
  - low pressure
  - proposed
  - return
  - return proposed
  - Leases
  - Mining tracts

UTU-74392

UTU-64379

UTU-67844

UTU-15855

Federal 15-22  
Section 22, T9S-R16E

**NEWFIELD**  
ROCKY MOUNTAINS



**1/2 Mile Radius Map**  
Duchesne & Uintah Counties

1001 17th Street Suite 2000  
Denver, Colorado 80202  
Phone: (303) 893-0102

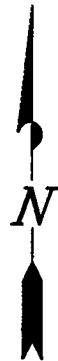
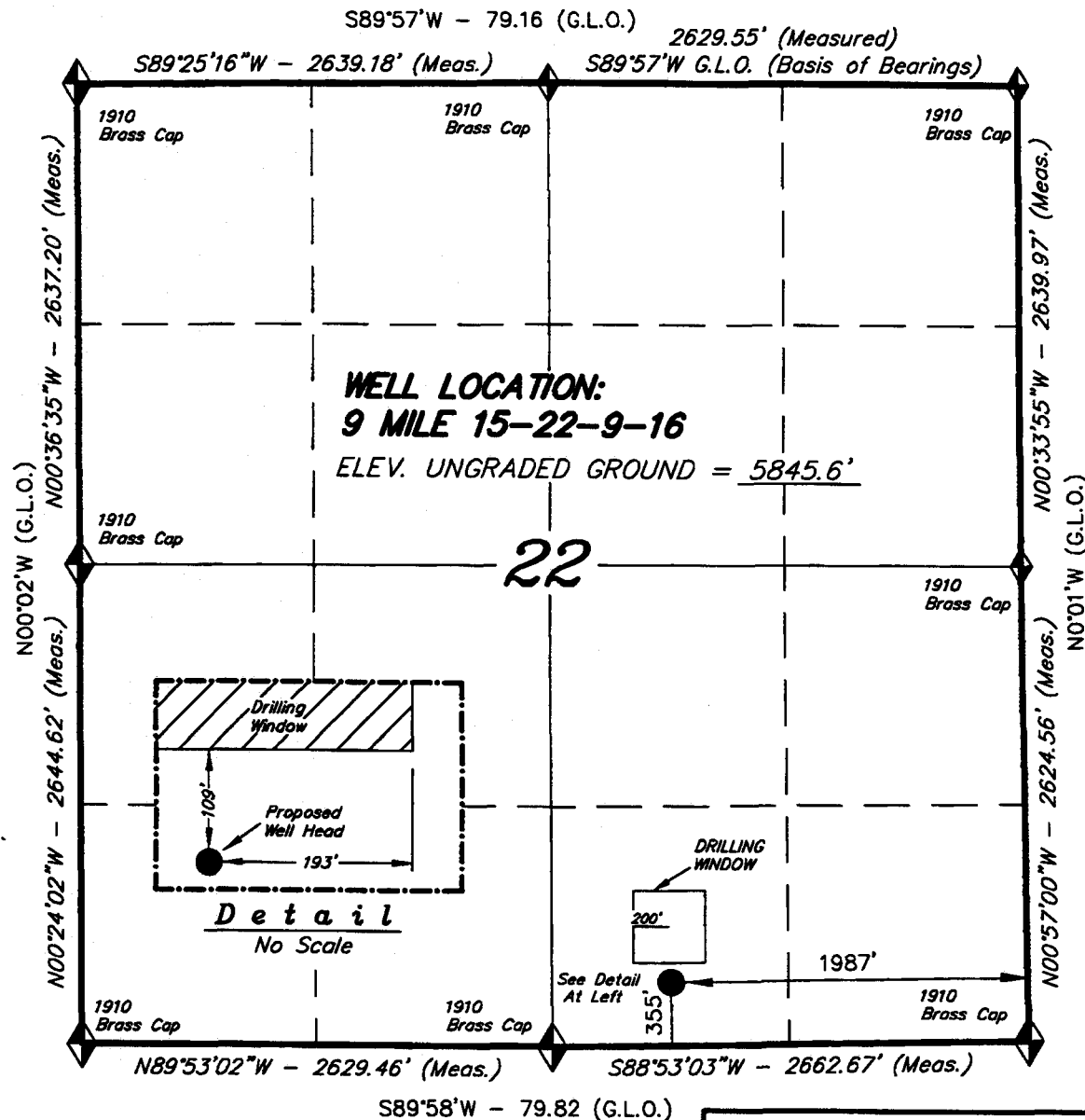
Dec. 13, 2011



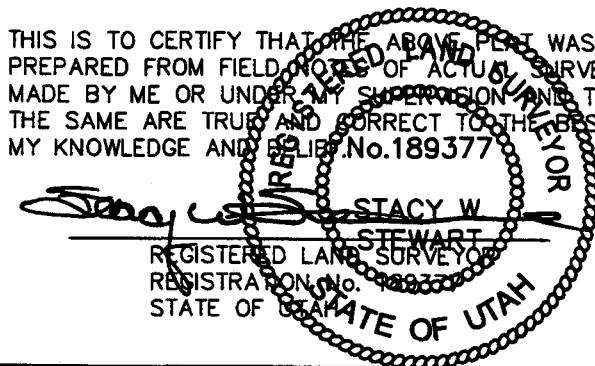
T9S, R16E, S.L.B.&amp;M.

NEWFIELD PRODUCTION COMPANY

WELL LOCATION, 9 MILE 15-22-9-16,  
LOCATED AS SHOWN IN THE SW 1/4 SE  
1/4 OF SECTION 22, T9S, R16E,  
S.L.B.&M. DUCHESNE COUNTY, UTAH.



THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS  
PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS  
MADE BY ME OR UNDER MY SUPERVISION AND THAT  
THE SAME ARE TRUE AND CORRECT TO THE BEST OF  
MY KNOWLEDGE AND BELIEF. No. 189377



TRI STATE LAND SURVEYING &amp; CONSULTING

180 NORTH VERNAL AVE. - VERNAL, UTAH 84078

(435) 781-2501

DATE SURVEYED:  
03-31-06

SURVEYED BY: C.M.

DATE DRAWN:  
4-5-06

DRAWN BY: M.W.

REVISED:

SCALE: 1" = 1000'

◆ = SECTION CORNERS LOCATED

BASIS OF ELEV;  
U.S.G.S. 7-1/2 min QUAD (MYTON SE)

9 MILE 15-22-9-16  
(Surface Location) NAD 83  
LATITUDE = 40° 00' 36.09"  
LONGITUDE = 110° 06' 10.93"

**EXHIBIT B**


#	Legal Description	Lessor & Expiration	Lessee & Operating Rights	Surface Owner
1	T9S-R16E SLM Section 21: S2 Section 22: NENE, S2 Section 23: SWSW Section 24: SESE Section 26: NENE Section 27: All Section 28: All	USA UTU-74392 HBP	Newfield Production Company Newfield RMI LLC ABO Petroleum Corp MYCO Industries Inc OXY Y-1 Company Yates Petroleum Corp	USA
2	T9S-R16E SLM Section 8: SWNE, SE Section 9: SWSW Section 17: NE Section 18: E2SW, SE, LOTS 3,4 Section 19: NE, E2NW, LOTS 1,2 Section 21: N2 Section 22: W2NE, SENE, NW	USA UTU-64379 HBP	Newfield Production Company Newfield RMI LLC Yates Petroleum Corp	USA
3	T9S-R16E SLM Section 23: E2, NW, E2SW, NWSW Section 24: N2, SW, N2SE, SWSE	USA UTU-15855 HBP	Newfield Production Company Newfield RMI LLC Bee Hive Oil LLC Journey Properties LLC King Oil & Gas of Texas ITD Six Gold Oil LLC Stone Energy Corp	USA
4	T9S-R16E SLM Section 25: W2SW, SESW Section 26: SWNE, NW, N2SW, SESW, SE	USA UTU-67844 HBP	Gasco Production Company III Exploration Company III Exploration II LP QEP Energy Company	USA

ATTACHMENT C

CERTIFICATION FOR SURFACE OWNER NOTIFICATION

RE: Application for Approval of Class II Injection Well  
Federal #15-22-9-16

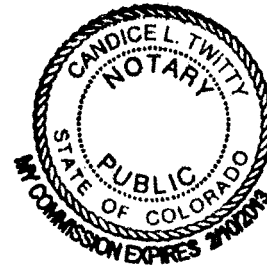
I hereby certify that a copy of the injection application has been provided to all surface owners within a one-half mile radius of the proposed injection well.

Signed:   
Newfield Production Company  
Eric Sundberg  
Regulatory Lead

Sworn to and subscribed before me this 9<sup>th</sup> day of February, 2012.

Notary Public in and for the State of Colorado: Candice L. Twitty

My Commission Expires 02/10/2013



## Federal 15-22-9-16

Spud Date: 4/17/2007  
Put on Production: 6-18-2007

GL: 5846' KB: 5858'

**SURFACE CASING**

CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 7 jts (304.31')  
DEPTH LANDED: 316.16' KB  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 160 sxs Class "G" cmt, est 5 bbls cmt to surf.

**PRODUCTION CASING**

CSG SIZE: 5-1/2"  
GRADE: J-55  
WEIGHT: 15.5#  
LENGTH: 133 jts (5764.96')  
DEPTH LANDED: 5768.96' KB  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 325 sxs Prem. Lite II mixed & 425 sxs 50/50 POZ.  
CEMENT TOP AT: Surface'

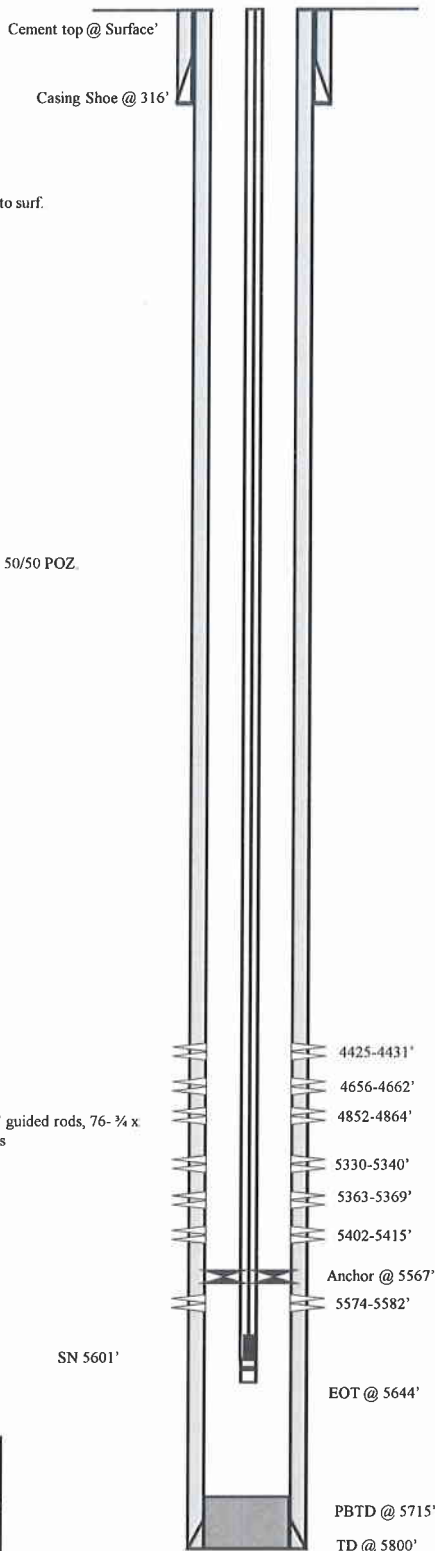
**TUBING**

SIZE/GRADE/WT.: 2-7/8" / J-55  
NO. OF JOINTS: 181 jts (5532.55')  
TUBING ANCHOR: 5567.15'  
NO. OF JOINTS: 1 jts (32.45')  
SEATING NIPPLE: 2-7/8" (1.10')  
SN LANDED AT: 5600.70'  
NO. OF JOINTS: 1 jt (29.21')  
TOTAL STRING LENGTH: EOT @ 5643.65'

**SUCKER RODS**

POLISHED ROD: 1-1/2" x 26'  
SUCKER RODS: 1-6', 1-2' x 3/4" pony rods, 101- 3/4 x 25' guided rods, 76- 3/4 x 25' slick rods, 40- 3/4 x 25' guided rods, 6-1 1/2 x 25' wt bars  
PUMP SIZE: CDI 2-1/2" x 1-1/2" x 20' x 15 1/2' RHAC  
STROKE LENGTH: 100"  
PUMP SPEED, SPM: 4.5 SPM

## Wellbore Diagram



Initial Production: BOPD,  
MCFD, BWPD

**FRAC JOB**

06-11-07	5574-5582'	<b>Frac CP5 sands as follows:</b> 19614# 20/40 sand in 325 bbls Lightning 17 frac fluid. Treated @ avg press of 2433 psi w/avg rate of 24.8 BPM. ISIP 2430 psi. Calc flush: 5572 gal. Actual flush: 5124 gal.
06-11-07	5330-5415'	<b>Frac CP3, CP2, &amp; CP1 sands as follows:</b> 34912# 20/40 sand in 403 bbls Lightning 17 frac fluid. Treated @ avg press of 2224 psi w/avg rate of 24.8 BPM. ISIP 1976 psi. Calc flush: 4328 gal. Actual flush: 4872 gal.
06-11-07	4852-4864'	<b>Frac A1 sands as follows:</b> 19473# 20/40 sand in 287 bbls Lightning 17 frac fluid. Treated @ avg press of 1777 psi w/avg rate of 24.8 BPM. ISIP 1860 psi. Calc flush: 4850 gal. Actual flush: 4410 gal.
06-11-07	4656-4662'	<b>Frac B1 sands as follows:</b> 14664# 20/40 sand in 237 bbls Lightning 17 frac fluid. Treated @ avg press of 1924 w/avg rate of 24.8 BPM. ISIP 1720 psi. Calc flush: 4654 gal. Actual flush: 4200 gal.
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7/23/07		Pump change: Updated rod & tuning detail.
05/29/08		pump change. Updated rod and tubing detail.
5/11/09		Tubing Leak. Updated r & t details.

**PERFORATION RECORD**

06-07-07	5574-5582'	4 JSPF	32 holes
06-11-07	5402-5415'	4 JSPF	52 holes
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06-11-07	4852-4864'	4 JSPF	48 holes
06-11-07	4656-4662'	4 JSPF	24 holes
06-11-07	4425-4431'	4 JSPF	24 holes

**NEWFIELD****Federal 15-22-9-16**

355' FSL &amp; 1987' FEL

SW/SE Section 22-T9S-R16E

Duchesne Co, Utah

API # 43-013-33167; Lease # UTU-74392

## Federal 9-22-9-16

Spud Date: 4-19-2007  
Put on Production: 6-08-2007  
GL: 5803' KB: 5815'

**SURFACE CASING**

CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 7 jts (309 25')  
DEPTH LANDED: 322.91' KB  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 160 sxs Class "G" cmt, est 5 bbls cmt to surf.

**PRODUCTION CASING**

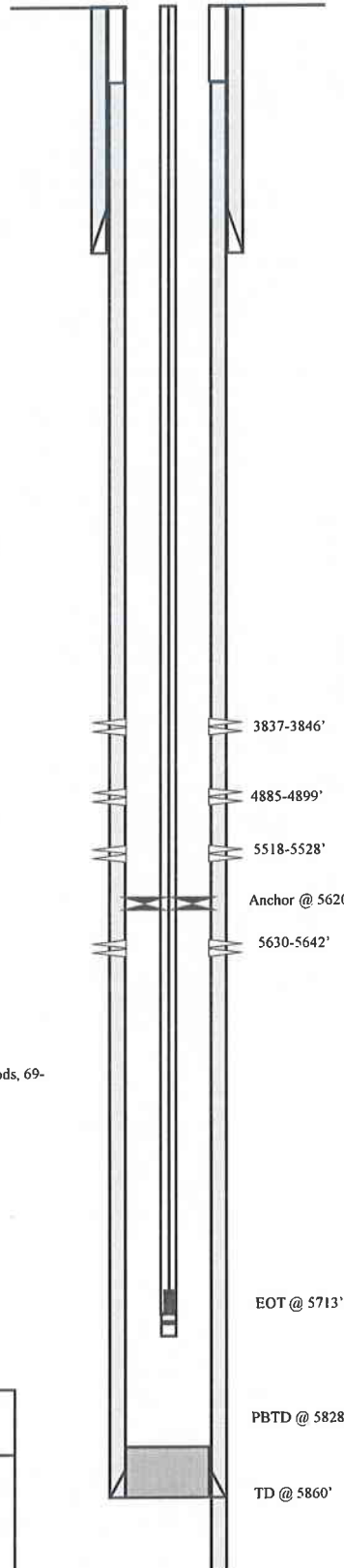
CSG SIZE: 5-1/2"  
GRADE: J-55  
WEIGHT: 15.5#  
LENGTH: 133 jts (5855 48')  
DEPTH LANDED: 5852.48' KB  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 325 sxs Prem. Lite II mixed & 425 sxs 50/50 POZ.  
CEMENT TOP AT: 68'

**TUBING**

SIZE/GRADE/WT: 2-7/8" / J-55  
NO. OF JOINTS: 182 jts (5608')  
TUBING ANCHOR: 5620'  
NO. OF JOINTS: 1 jts (28.32')  
SEATING NIPPLE: 2-7/8" (1.10')  
SN LANDED AT: 5651'  
NO. OF JOINTS: 2 jts (60.92')  
TOTAL STRING LENGTH: EOT @ 5713'

**SUCKER RODS**

POLISHED ROD: 1-1/2" x 26'  
SUCKER RODS: 1-2', 4', 6' x 8' X 3/4" pony rods, 99- 3/4" guided rods, 69- 3/4" sucker rods, 50- 3/4" guided rods, 6- 1 1/2" sinker bars,  
PUMP SIZE: 2-1/2" x 1-1/4" x 16' x 22' RHAC  
STROKE LENGTH: 120"  
PUMP SPEED, SPM: 5 SPM

**Wellbore Diagram**

Initial Production: BOPD,  
MCFD, BWPD

**FRAC JOB**

06-05-07	5630-5642'	<b>Frac CP5 sands as follows:</b> 39984# 20/40 sand in 405 bbls Lightning 17 frac fluid. Treated @ avg press of 1953 psi w/avg rate of 24.7 BPM. ISIP 2165 psi. Calc flush: 5328 gal. Actual flush: 5208 gal.
06-05-07	5518-5528'	<b>Frac CP4 sands as follows:</b> 25037# 20/40 sand in 336 bbls Lightning 17 frac fluid. Treated @ avg press of 2283 psi w/avg rate of 24.7 BPM. ISIP 2241 psi. Calc flush: 5516 gal. Actual flush: 4998 gal.
06-05-07	4885-4899'	<b>Frac A1 sands as follows:</b> 59792# 20/40 sand in 485 bbls Lightning 17 frac fluid. Treated @ avg press of 1701 psi w/avg rate of 24.7 BPM. ISIP 2240 psi. Calc flush: 4883 gal. Actual flush: 4368 gal.
06-05-07	3837-3846'	<b>Frac GB2 sands as follows:</b> 35741# 20/40 sand in 345 bbls Lightning 17 frac fluid. Treated @ avg press of 1806 w/avg rate of 24.7 BPM. ISIP 2950 psi. Calc flush: 3835 gal. Actual flush: 3738 gal.
12-13-07		Pump Change. Updated rod & tubing details.
1-30-08		Pump Change. Updated rod & tubing details.
8-29-08		Pump Change. Updated rod & tubing details.
1/23/09		Pump Change. Updated r & t details.
10/05/11		Pump Change. Rods & tubing updated.

**PERFORATION RECORD**

05-30-07	5630-5642'	4 JSPF	48 holes
06-05-07	5518-5528'	4 JSPF	40 holes
06-05-07	4885-4899'	4 JSPF	96 holes
06-05-07	3837-3846'	4 JSPF	36 holes

**NEWFIELD****Federal 9-22-9-16**

2079' FSL &amp; 668' FEL

NE/SE Section 22-T9S-R16E

Duchesne Co, Utah

API # 43-013-33175; Lease # UTU-74392

TW 10/10/11

## FEDERAL 10-22-9-16

Spud Date: 04/26/07  
Put on Production: 06/29/07  
GL: 5955' KB: 5967'

SURFACE CASING

CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 7 jts (310.97')  
DEPTH LANDED: 322.82' KB  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 160 sxs Class "G" cmt, est 6 bbls cmt to surf

PRODUCTION CASING

CSG SIZE: 5-1/2"  
GRADE: J-55  
WEIGHT: 15.5#  
LENGTH: 133 jts (5904.01')  
DEPTH LANDED: 5917.26' KB  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 300 sxs Premi Lite II mixed & 425 sxs 50/50 POZ  
CEMENT TOP: 160'

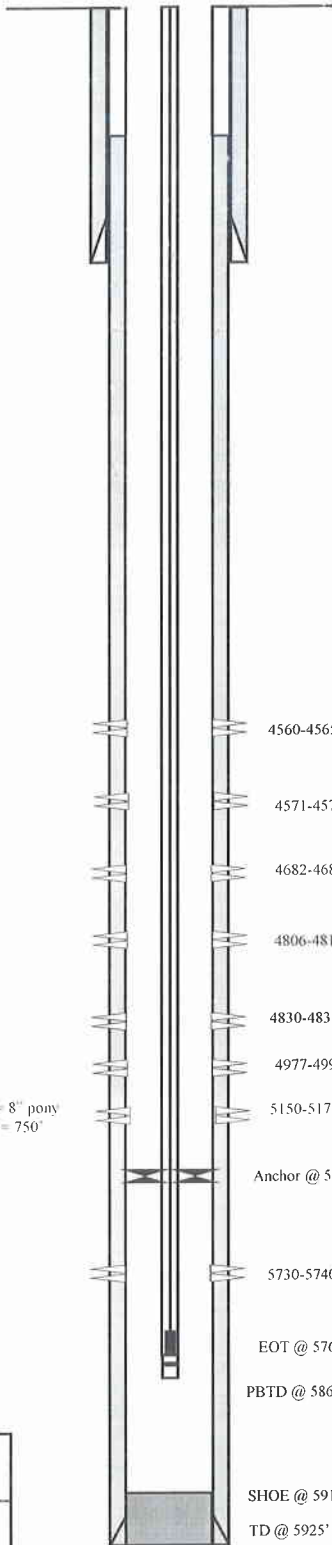
TUBING

SIZE/GRADE/WT: 2-7/8" / J-55 / 6.5#  
NO. OF JOINTS: 182 jts (5685.0')  
TUBING ANCHOR: 5697.0' KB  
NO. OF JOINTS: 1 jts (31.4')  
SEATING NIPPLE: 2-7/8" (1.10')  
SN LANDED AT: 5731.2' KB  
NO. OF JOINTS: 1 jts (31.7')  
TOTAL STRING LENGTH: EOT @ 5764' KB

SUCKER RODS

POLISHED ROD: 1-1/2" x 26' SM polished rods  
SUCKER RODS: 2 x 3/4" - 8" pony rod, 1 x 3/4" = 6" pony rod, 1 x 3/4" = 8" pony rod, 98-3/4" = 2450' guided rods, 93-3/4" = 2325' sucker rods, 30-3/4" = 750' guided rods, 6-1 1/2" = 150' weight bars  
PUMP SIZE: 2 1/2" x 1 1/4" x 12 x 16' RHAC  
STROKE LENGTH: 86"  
PUMP SPEED, SPM: 5

## Wellbore Diagram



Initial Production: BOPD,  
MCFD, BWPD

FRAC JOB

06/25/07 5730-5740' **Frac CP5 sands as follows:**  
40069# 20/40 sand in 408 bbls Lightning 17  
frac fluid. Treated @ avg press of 1945 psi  
w/avg rate of 24.7 BPM. ISIP 2163 psi. Calc  
flush: 5728 gal. Actual flush: 5208 gal.

06/26/07 5150-5178' **Frac L.O.D.C. sands as follows:**  
126558# 20/40 sand in 899 bbls Lightning 17  
frac fluid. Treated @ avg press of 2216 psi  
w/avg rate of 24.7 BPM. ISIP 2676 psi. Calc  
flush: 5148 gal. Actual flush: 4662 gal.

06/26/07 4977-4998' **Frac A1 sands as follows:**  
94957# 20/40 sand in 708 bbls Lightning 17  
frac fluid. Treated @ avg press of 1623 psi  
w/avg rate of 24.7 BPM. ISIP 1945 psi. Calc  
flush: 4975 gal. Actual flush: 4494 gal.

06/26/07 4806-4835' **Frac B2 & B1 sands as follows:**  
61885# 20/40 sand in 508 bbls Lightning 17  
frac fluid. Treated @ avg press of 1689 psi  
w/avg rate of 24.7 BPM. ISIP 1825 psi. Calc  
flush: 4804 gal. Actual flush: 4326 gal.

06/26/07 4682-4688' **Frac D3 sands as follows:**  
12609# 20/40 sand in 241 bbls Lightning 17  
frac fluid. Treated @ avg press of 2133 psi  
w/avg rate of 24.7 BPM. ISIP 1776 psi. Calc  
flush: 4680 gal. Actual flush: 4221 gal.

06/26/07 4560-4565' **Frac D1 sands as follows:**  
16073# 20/40 sand in 246 bbls Lightning 17  
frac fluid. Treated @ avg press of 1881 psi  
w/avg rate of 24.7 BPM. ISIP 1857 psi. Calc  
flush: 4558 gal. Actual flush: 4494 gal.

05/28/08 pump change. Updated rod and tubing details  
6/21/2010 Parted rods. Updated rod and tubing detail.  
6/23/2010 Parted rods. Updated rod and tubing detail.  
3/15/11 Parted rods. Updated rod and tubing detail.

PERFORATION RECORD

06/21/07 5730-5740' 4 JSPF 40 holes  
06/25/07 5150-5178' 4 JSPF 112 holes  
06/26/07 4977-4998' 4 JSPF 84 holes  
06/26/07 4830-4835' 4 JSPF 20 holes  
06/26/07 4806-4817' 4 JSPF 44 holes  
06/26/07 4682-4688' 4 JSPF 24 holes  
06/26/07 4571-4576' 4 JSPF 20 holes  
06/26/07 4560-4565' 4 JSPF 20 holes



FEDERAL 10-22-9-16

1736'FSL &amp; 2137' FEL

NW/SE Section 22-T9S-R16E

Duchesne Co, Utah

API #43-013-33166; Lease # UTU-74392

## Federal 11A-22-9-16

Spud Date: 5-15-07  
Put on Production: 7-18-07

GL: 5867' KB: 5879'

**SURFACE CASING**

CSG SIZE 8-5/8"  
GRADE J-55  
WEIGHT 24#  
LENGTH 7 jts (311.35')  
DEPTH LANDED 323.2' KB  
HOLE SIZE 12-1/4"  
CEMENT DATA 160 sxs Class "G" cmt, est 3 bbls cmt to surf

**PRODUCTION CASING**

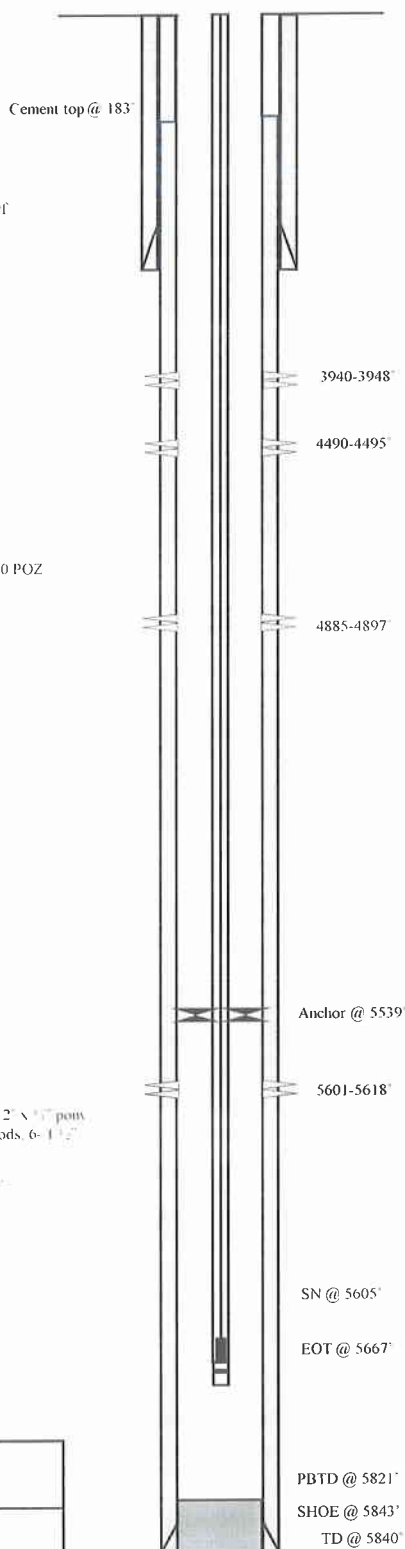
CSG SIZE 5-1/2"  
GRADE J-55  
WEIGHT 15.5#  
LENGTH 134 jts (5829.37')  
DEPTH LANDED 5842.62' KB  
HOLE SIZE 7-7/8"  
CEMENT DATA 300 sxs Prem Lite II mixed & 400 sxs 50/50 POZ  
CEMENT TO SURFACE 183'

**TUBING**

SIZE/GRADE/WT 2-7/8" / J-55 / 6.5#  
NO OF JOINTS 178 jts (5538.8')  
TUBING ANCHOR 5538.8' KB  
NO OF JOINTS 2 jts (63.2')  
SEATING NIPPLE 2-7/8" (1.10')  
SN LANDED AT 5604.8' KB  
NO OF JOINTS 2 jts (60.4')  
TOTAL STRING LENGTH: EOT @ 5667' KB

**SUCKER RODS**

POLISHED ROD: 1-1/2" x 26' SM  
SUCKER RODS 1-8" x 3/4" pony rod 1-4" x 3/4" pony rod 1-2" x 3/4" pony rod 100-3/4" guided rods, 52-3/4" guided rods, 66-3/4" guided rods, 6-1-1/2" weight bars  
PUMP SIZE 2-1/2" x 1-1/2" x 16' x 20' RHAC w/SM plunger  
STROKE LENGTH: 120  
PUMP SPEED, SPM: 5

**Wellbore Diagram**

Initial Production: BOPD,  
MCFD, BWPD

**FRAC JOB**

7-9-07 5601-5618' **Frac CP5 sands as follows:**  
50556# 20/40 sand in 495 bbls Lightning 17  
frac fluid Treated @ avg press of 1972 psi  
w/avg rate of 24.8 BPM ISIP 2200 psi Calc  
flush 5599 gal Actual flush 5082 gal

7-11-07 4885-4897' **Frac A1 sands as follows:**  
70631# 20/40 sand in 616 bbls Lightning 17  
frac fluid Treated @ avg press of 1959 psi  
w/avg rate of 24.8 BPM ISIP 2160 psi Calc  
flush 48831 gal Actual flush 4410 gal

7-13-07 4490-4495' **Frac D1 sands as follows:**  
20088# 20/40 sand in 310 bbls Lightning 17  
frac fluid Treated @ avg press of 1769 psi  
w/avg rate of 24.8 BPM ISIP 1908 psi Calc  
flush 4489 gal Actual flush 3990 gal

7-13-07 3940-3948' **Frac GB4 sands as follows:**  
42107# 20/40 sand in 394 bbls Lightning 17  
frac fluid 24.8 BPM ISIP 1470psi Calc  
flush 3938 gal Actual flush 3906 gal

06/25/08  
1/18/2010  
Workover Rod & Tubing detail updated  
Tubing leak Updated rod and tubing detail

**PERFORATION RECORD**

7-9-07 5601-5618' 4 JSPF 68 holes  
7-18-07 4885-4897' 4 JSPF 48 holes  
7-11-07 4490-4495' 4 JSPF 20 holes  
7-13-07 3940-3948' 4 JSPF 32 holes

**Federal 11A-22-9-16**

2007' FSL & 1783' FWL

NE/SW Section 22-T9S-R16E

Duchesne Co, Utah

API #43-013-33149; Lease #UTU-74392

## Federal 13-22-9-16

Spud Date: 5-9-2007  
Put on Production: 6-25-2007

GL: 5994' KB: 6006'

SURFACE CASING

CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 7 jts (302.02')  
DEPTH LANDED: 313.87' KB  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 160 sxs Class "G" cement, est 3 bbls cement to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"  
GRADE: J-55  
WEIGHT: 15.5#  
LENGTH: 134 jts (5879.22')  
DEPTH LANDED: 5892.47' KB  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 325 sxs Prem Lite II mixed & 425 sxs 50/50 POZ  
CEMENT TOP AT: 60'

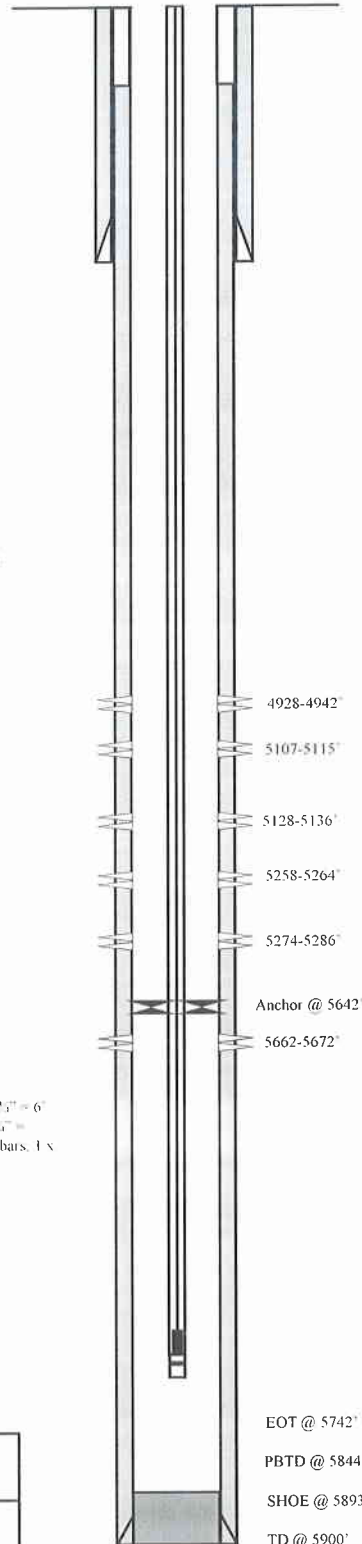
TUBING

SIZE/GRADE/WT: 2-7/8" / J-55 / 6.5#  
NO. OF JOINTS: 179 jts (5630.4')  
TUBING ANCHOR: 5630.4' KB  
NO. OF JOINTS: 1 jts (31.60')  
SEATING NIPPLE: 2-7/8" (1.10')  
SN LANDED AT: 5664.8' KB  
NO. OF JOINTS: 2 jts (63.3')  
TOTAL STRING LENGTH: EOT @ 5730'

SUCKER RODS

POLISHED ROD: 1-1/2" x 26' SM  
SUCKER RODS: 1 x 3/4" = 2' pony rods, 1 x 3/4" = 4' pony rods, 1 x 3/4" = 6' pony rods, 1 x 3/4" = 8' pony rods, 99- 3/4" = 2475' guided rods, 100- 3/4" = 2500' sucker rods, 20- 3/4" = 500' guided rods, 6- 1 1/2" = 150' weight bars, 1 x 1" = 4' stabilizer rod  
PUMP SIZE: 2-1/2" x 1-1/4" x 12 x 16" RHAC w/SM plunger  
STROKE LENGTH: 86"  
PUMP SPEED, SPM: 5 SPM

## Wellbore Diagram




Initial Production: BOPD  
MCFD: BWPD

FRAC JOB

06-19-07	5662-5672'	<b>Frac CP5 sands as follows:</b> 41156# 20/40 sand in 409 bbls Lightning 17 frac fluid. Treated @ avg press of 1991 psi w/avg rate of 21.8 BPM. ISIP 2175 psi. Calc flush: 5660 gal. Actual flush: 5158 gal.
06-19-07	5258-5286'	<b>Frac LODC sands as follows:</b> 79611# 20/40 sand in 602 bbls Lightning 17 frac fluid. Treated @ avg press of 2528 psi w/avg rate of 21.8 BPM. ISIP 2750 psi. Calc flush: 5256 gal. Actual flush: 4788 gal.
06-18-07	5107-5136'	<b>Frac LODC sands as follows:</b> 55106# 20/40 sand in 451 bbls Lightning 17 frac fluid. Treated @ avg press of 2838 psi w/avg rate of 24.7 BPM. ISIP 3235 psi. Calc flush: 5105 gal. Actual flush: 4620 gal.
06-19-07	4928-4942'	<b>Frac A1 sands as follows:</b> 59043# 20/40 sand in 475 bbls Lightning 17 frac fluid. Treated @ avg press of 1937 w/ avg rate of 24.7 BPM. ISIP 2260 psi. Calc flush: 4926 gal. Actual flush: 4872 gal.
08/27/07	Pump Change	Rod & Tubing detail unchanged
5/29/08	Stuck pump	Rod & Tubing detail updated
1/31/09		Pump Change. Updated r & t detail
3/16/2011		Pump Change. Updated rod & tubing detail

PERFORATION RECORD

06-18-07	5662-5672'	4 JSPF	40 holes
06-19-07	5274-5286'	4 JSPF	48 holes
06-19-07	5258-5264'	4 JSPF	24 holes
06-19-07	5128-5136'	4 JSPF	32 holes
06-19-07	5103-5110'	4 JSPF	32 holes
06-19-07	4928-4942'	4 JSPF	56 holes


<b>Federal 13-22-9-16</b> 906' FSL & 702' FWL SW/SW Section 22-T9S-R16E Duchesne Co, Utah API # 43-013-33148; Lease # UTU-74392



Spud Date: 4-25-07  
 Put on Production: 6-22-07  
 GL 5894' KB: 5906'

## Fed. #14-22-9-16

## Wellbore Diagram

SURFACE CASING

CSG SIZE 8-5/8"  
 GRADE J-55  
 WEIGHT 24#  
 LENGTH 7 jts (309.02')  
 DEPTH LANDED 320.87' KB  
 HOLE SIZE 12-1/4"  
 CEMENT DATA To surface with 160 sv Class "G" cement

PRODUCTION CASING

CSG SIZE 5-1/2"  
 GRADE J-55  
 WEIGHT 15.5#  
 LENGTH 142 jts (6165.44')  
 DEPTH LANDED 5793.94' KB  
 HOLE SIZE 7-7/8"  
 CEMENT DATA 300 sv Prem Lite II & 400 sv 50/50 Poz  
 CEMENT TOP 104'

TUBING

SIZE/GRADE/WT 2-7/8" / J-55 / 6.5#  
 NO OF JOINTS 179 jts (5577.57')  
 TUBING ANCHOR 5589.57' KB  
 NO OF JOINTS 1 jts (31.63')  
 SEATING NIPPLE 2-7/8" (1.10')  
 SN LANDED AT 5624.00' KB  
 NO OF JOINTS 1 jts (31.57')  
 TOTAL STRING LENGTH EOT @ 5657.12' KB

SUCKER RODS

POLISHED ROD 1-1/2" x 26'  
 SUCKER RODS 3/4 x 4' Pony rod, 100-3/4 x 25' Scraped Rods, 98-3/4" x 25' Slick Rods, 20-3/4 x 25' scraped rods, 6-1/2 x 25' w/ bars  
 PUMP SIZE 2 1/2" x 1 1/2" x 12 x 15 RHAC  
 STROKE LENGTH 86"  
 PUMP SPEED, 5 SPM

FRAC JOB

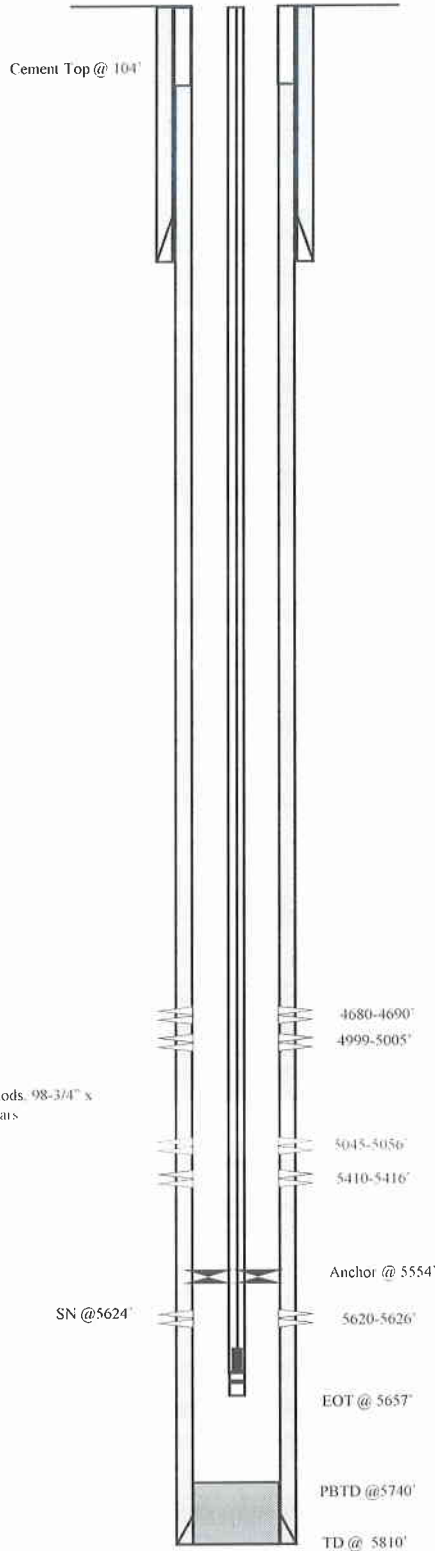
6/15/07 5620-5626 RU BJ & frac CP5 sds as follows:  
 14,228#s of 20/40 sand in 265 bbls of Lightning 17 frac fluid. Treated @ ave pressure of 2740 w/ ave rate of 27 bpm w/ 6.5 ppg of sand ISIP was 2525 Actual flush 5166 gals  
 6/15/07 5410-5416 RU BJ & frac stage #2 as follows:  
 19,400# 20/40 sand in 298 bbls of Lightning 17 frac fluid. Treated @ ave pressure of 2147 w/ ave rate of 24.8 bpm w/ 6.5 ppg of sand ISIP was 2134 Actual flush 4914 gals  
 6/15/07 4999-5005 RU BJ & frac stage #3 as follows:  
 55,118# 20/40 sand in 482 bbls of Lightning 17 frac fluid. Treated @ ave pressure of 2856 w/ ave rate of 24.8 bpm w/ 6.5 ppg of sand ISIP was 2986 Actual flush 4536 gals  
 6/15/07 4680-4690 RU BJ & frac stage #4 as follows:  
 61,337# 20/40 sand in 472 bbls of Lightning 17 frac fluid. Treated @ ave pressure of 1703 w/ ave rate of 24.8 bpm w/ 8 ppg of sand ISIP was 2056 Actual flush 4662 gals

1/3/09

Pump Change Updated rod & tubing details

PERFORATION RECORD

06/15/07	5620-5626'	4 JSPF	24 holes
06/15/07	5410-5416'	4 JSPF	112 holes
06/15/07	5045-5056'	4 JSPF	84 holes
06/15/07	4999-5005'	4 JSPF	20 holes
06/15/07	4680-4690'	4 JSPF	40 holes



Federal 14-22-9-16  
 477' FSL and 1988' FWL  
 SE/SW Sec. 22, T9S, 16E  
 Duchesne Co, Utah  
 API #43-013-33147; Lease #UTU-74392

DF 3/13/09

## FEDERAL 16-22-9-16

Spud Date: 08/27/07  
Put on Production: 10/10/07

GL: 5800' KB: 5812'

SURFACE CASING

CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 7 jts (293 76')  
DEPTH LANDED: 305 61' KB  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 160 sxs Class "G" cmt, est 6 bbls cmt to surf

PRODUCTION CASING

CSG SIZE: 5-1/2"  
GRADE: J-55  
WEIGHT: 15.5#  
LENGTH: 2 jts (')  
DEPTH LANDED: 0' KB  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 2 sxs Prem Late II mixed & 2 sxs 50/50 POZ  
CEMENT TOP: 39'

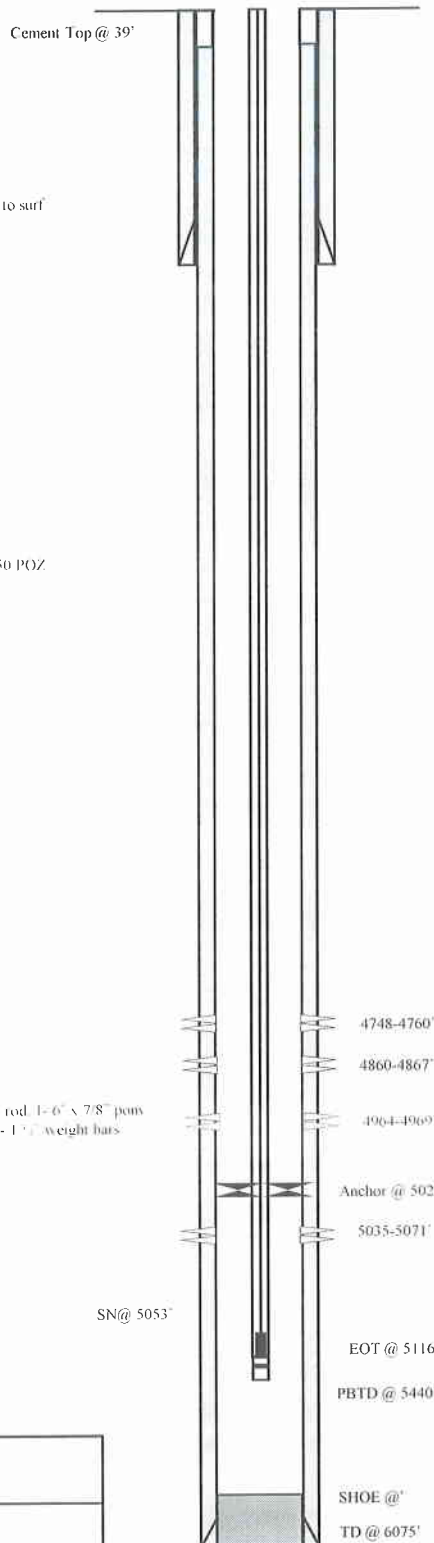
TUBING

SIZE/GRADE/WT: 2-7/8" / J-55 / 6.5#  
NO. OF JOINTS: 162 jts (4993.8')  
TUBING ANCHOR: 5005 8' KB  
NO. OF JOINTS: 2 jts (64 1')  
SEATING NIPPLE: 2-7/8" (1 10')  
SN LANDED AT: 5072.8'  
NO. OF JOINTS: 2 jts (64 40')  
TOTAL STRING LENGTH: EOT @ 5136' KB

SUCKER RODS

POLISHED ROD: 1-1/2" x 26' SM polished rods  
SUCKER RODS: 2-4' x 7/8" pony rods, 1-4' x 7/8" pony rod, 1-6' x 7/8" pony rod, 197-7/8" guided rods (8 per), 4-3' x 1" pony rods, 4-1' x 1" weight bars  
PUMP SIZE: CDI 2-1/2" x 1-3/4" x 16 x 20 RHAC  
STROKE LENGTH: 123"  
PUMP SPEED, SPM: 5

## Wellbore Diagram



Initial Production: BOPD,  
MCFD, BWPD

FRAC JOB

10/05/07	5035-5071'	<b>Frac A1 sands as follows:</b> 140366# 20/40 sand in 1008 bbl Lightning 17 frac fluid Treated @ avg press of 1851 psi w/avg rate of 24.8 BPM ISIP 2081 psi Calc flush: 5033 gal Actual flush: 4536 gal
10/06/07	4964-4969'	<b>Frac A.5 sands as follows:</b> 15004# 20/40 sand in 274 bbls Lightning 17 frac fluid Treated @ avg press of 2605 psi w/avg rate of 24.8 BPM ISIP 1909 psi Calc flush: 4962 gal Actual flush: 4456 gal
10/05/07	4860-4867'	<b>Frac B2 sands as follows:</b> 13965# 20/40 sand in 269 bbls Lightning 17 frac fluid Treated @ avg press of 2130 psi w/avg rate of 24.8 BPM ISIP 1925 psi Calc flush: 4858 gal Actual flush: 4355 gal
10/05/07	4748-4760'	<b>Frac C sands as follows:</b> 41811# 20/40 sand in 406 bbls Lightning 17 frac fluid Treated @ avg press of 2620 psi w/avg rate of 24.8 BPM ISIP 2235 psi Calc flush: 4746 gal Actual flush: 4662 gal
6/17/08		parted rods Updated rod and tubing detail
11/19/08		Pump Change Updated rod & tubing details
2/13/09		Tubing Leak Updated r & t details
6/18/2010		Tubing leak Updated rod and tubing detail

PERFORATION RECORD

10/02/07	5035-5071'	4 JSPF	144 holes
10/05/07	4964-4969'	4 JSPF	20 holes
10/05/07	4860-4867'	4 JSPF	28 holes
10/05/07	4748-4760'	4 JSPF	48 holes

**FEDERAL 16-22-9-16**

2068' FSL & 649' FEL

NE/SE Section 22-T9S-R16E

Duchesne Co, Utah

API #43-013-33394, Lease # UTU-74392

## Federal 13-23-9-16

Spud Date: 10/5/07  
Put on Production: 6/5/08  
GL: 5751' KB: 5763'

**SURFACE CASING**

CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 7 jts. (312.36')  
DEPTH LANDED: 322.58' KB  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 1- 160, sxs Class "G" cmt, est 4 bbls cmt to surf

**PRODUCTION CASING**

CSG SIZE: 5-1/2"  
GRADE: J-55  
WEIGHT: 15.5#  
LENGTH: 150 jts. (5705.08')  
DEPTH LANDED: 5781.33' KB  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 300 sxs Prem. Lite II mixed & 400 sxs 50/50 POZ.

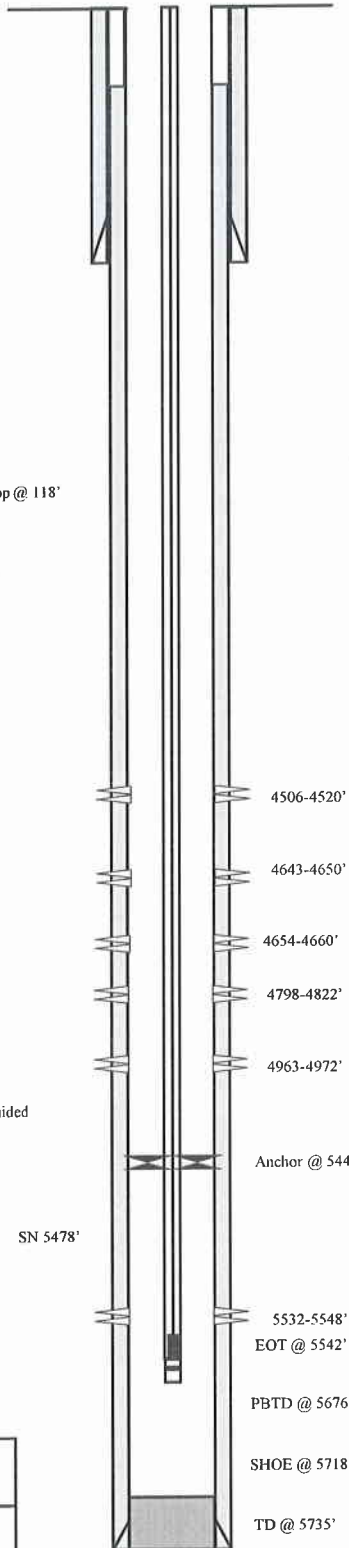
**TUBING**

SIZE/GRADE/WT: 2-7/8" / J-55 / 6.5#  
NO. OF JOINTS: 173 jts. (5443.5')  
TUBING ANCHOR 5443.5' KB  
NO. OF JOINTS: 1 jts. (31.4')  
SEATING NIPPLE: 2-7/8" (1.10')  
SN LANDED AT: 5477.7' KB  
NO. OF JOINTS: 2 jts. (63.0')  
TOTAL STRING LENGTH: EOT @ 5542' KB

**SUCKER RODS**

POLISHED ROD: 1-1/2" x 26' SM polished rods  
SUCKER RODS: 1-3' x 3/4" pony rod, 1-8' x 3/4" pony rod, 100-3/4" guided rods, 52-3/4" guided rods, 60-3/4" guided rods, 6-1 1/2" weight bars  
PUMP SIZE: CDI 2-1/2" x 1-1/2" x 14' x 16" RHAC  
STROKE LENGTH: 74"  
PUMP SPEED, SPM: 5

## Wellbore Diagram



Initial Production: BOPD,  
MCFD, BWPD

**FRAC JOB**

10/26/07	5532-5548'	<b>Frac CP5 sands as follows:</b> 89901# 20/40 sand in 710 bbls Lightning 17 frac fluid. Treated @ avg press of 1990 psi w/avg rate of 24.8 BPM. ISIP 2180 psi.
10/26/07	4963-4972'	<b>Frac LODC sands as follows:</b> 56448# 20/40 sand in 493 bbl Lightning 17 frac fluid. Treated @ avg press of 2830 psi w/avg rate of 24.8 BPM. ISIP 3045 psi.
06/03/08	4798-4822'	<b>Frac A1 sands as follows:</b> 159955# 20/40 sand in 1112 bbls Lightning 17 frac fluid. Treated @ avg press of 1807 psi w/avg rate of 26.6 BPM. ISIP 1971 psi.
06/03/08	4643-4600'	<b>Frac B2 sands as follows:</b> 99834# 20/40 sand in 748 bbls Lightning 17 frac fluid. Treated @ avg press of 1930 psi w/avg rate of 25.5 BPM. ISIP 2135 psi.
06/03/08	4874-4888'	<b>Frac C sands as follows:</b> 79546# 20/40 sand in 617 bbls Lightning 17 frac fluid. Treated @ avg press of 2034 psi w/avg rate of 26.3 BPM. ISIP 1907 psi.
3/16/10		Pump change. Updated rod and tubing detail.
1/8/2011		Pump Change. Update rod and tubing details.

**PERFORATION RECORD**

5532-5548'	4 JSPF	64 holes
4963-4972'	4 JSPF	36 holes
4798-4822'	4 JSPF	96 holes
4654-4660'	4 JSPF	24 holes
4643-4650'	4 JSPF	28 holes
4506-4520'	4 JSPF	56 holes

**NEWFIELD****Federal 13-23-9-16**

612' FSL &amp; 466' FWL

SW/SW Section 23-T9S-R16E

Duchesne Co, Utah

API #43-013-33180; Lease # UTU-74392

CB 3/15/2011

## Federal 1-27-9-16

Spud Date: 12/22/2009  
 Put on Production: 5/22/2009  
 GL: 5797' KB: 5809'

## Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts (315.63')  
 DEPTH LANDED: 327.48' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 160 sx class 'g' cmt

PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 7 jts (')  
 DEPTH LANDED:  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 300 sx primlite and 400 sx 50/50 poz  
 CEMENT TOP AT: 130'

TUBING

SIZE/GRADE/WT: 2-7/8" / J-55  
 NO. OF JOINTS: 178 jts (5500.9')  
 TUBING ANCHOR: 5512.9' KB  
 NO. OF JOINTS: 1 jt (30.9')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 5546.6' KB  
 NO. OF JOINTS: 1 jt (30.3')  
 NOTCHED COLLAR: 2-7/8" / J-55 (5577.9')  
 TOTAL STRING LENGTH: EOT @ 5578'

SUCKER RODS

POLISHED ROD: 1 1/2" x 26' polished rod  
 SUCKER RODS: 1-8" x 3/4" pony rod, 99-3/4" guided rods (4 per), 45-3/4" sucker rods, 71-1/4" guided rods (4 per), 6-1 1/2" weight bars  
 PUMP SIZE: 2-1/2" x 1-1/2" x 17' x 20' RIHAC  
 STROKE LENGTH: 106"  
 PUMP SPEED, SPM: 5

FRAC JOB

5/22/2009 5538-5548' Frac CP5 sds as follows:  
 14,952# 20/40 sand in 296 bbls of Lightning 17 fluid. Treated w/  
 ave pressure of 2493 psi @ ave rate of 26.8 BPM ISIP 2248 psi

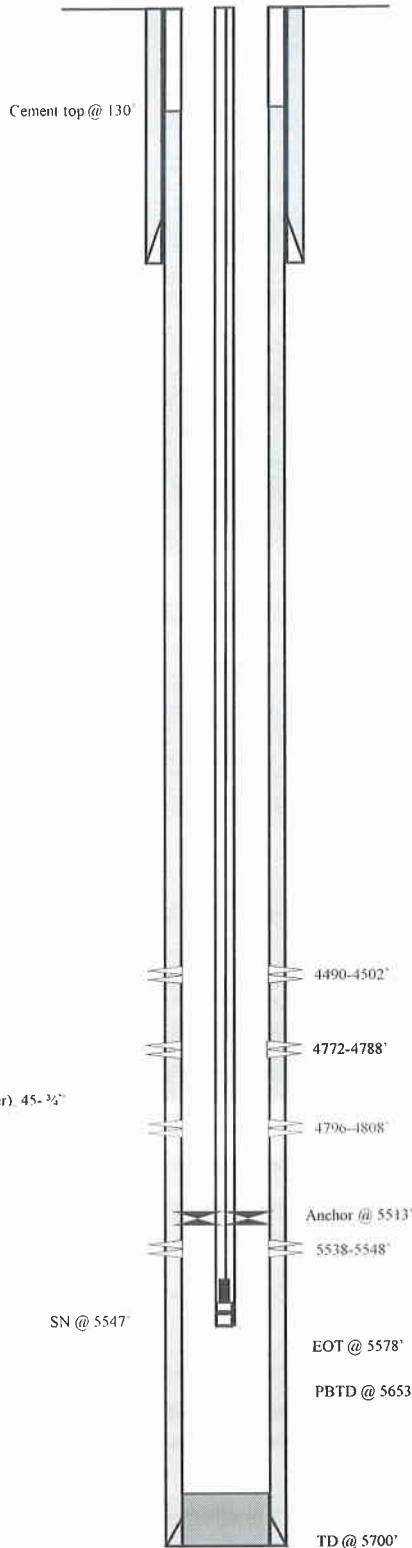
5/22/2009 4772-4808' Frac A1 sds as follows:  
 125,722#s of 20/40 sand in 898 bbls of Lightning 17 fluid.  
 Treated w/ ave pressure of 1798 psi @ ave rate of 26.9 BPM ISIP 2065 psi

5/22/2009 4490-4502' Frac C sds as follows:  
 46,703#s of 20/40 sand in 458 bbls of Lightning 17 fluid. Treated  
 w/ ave pressure of 1861 psi @ ave rate of 26.9 BPM ISIP 3554 psi

9/25/09 Tubing Leak. Updated rod & tubing detail  
 5/6/2010 Stuck plunger on pump. Updated rod and tubing detail  
 5/25/2010 Stuck pump. Updated rod and tubing detail

PERFORATION RECORD

5/22/09	5538-5548'	4 JSPF	40 holes
5/22/09	4796-4808'	4 JSPF	48 holes
5/22/09	4772-4788'	4 JSPF	64 holes
5/22/09	4490-4502'	4 JSPF	48 holes



Federal 1-27-9-16

533' FSL &amp; 503' FWL

NE/NE Section 27-T9S-R16E

Uintah Co, Utah

API # 43-013-33350; Lease # UTU-74392

## Federal 2-27-9-16

Spud Date: 12/16/2008  
 Put on Production: 4/17/2009  
 GL: 5863' KB: 5875'

## Wellbore Diagram

SURFACE CASING

CSG SIZE 8-5/8"  
 GRADE J-55  
 WEIGHT 24#  
 LENGTH 7 jts (314.5')  
 DEPTH LANDED 326' KB  
 HOLE SIZE 12-1/4"  
 CEMENT DATA 160 sv class 'g' cmt

PRODUCTION CASING

CSG SIZE 5-1/2"  
 GRADE J-55  
 WEIGHT 15.5#  
 LENGTH 147 jts (5796.99')  
 DEPTH LANDED 5732'  
 HOLE SIZE 7-7/8"  
 CEMENT DATA 280 sv prmlite and 400 sv 50/50 poz  
 CEMENT TOP AT 246'

TUBING

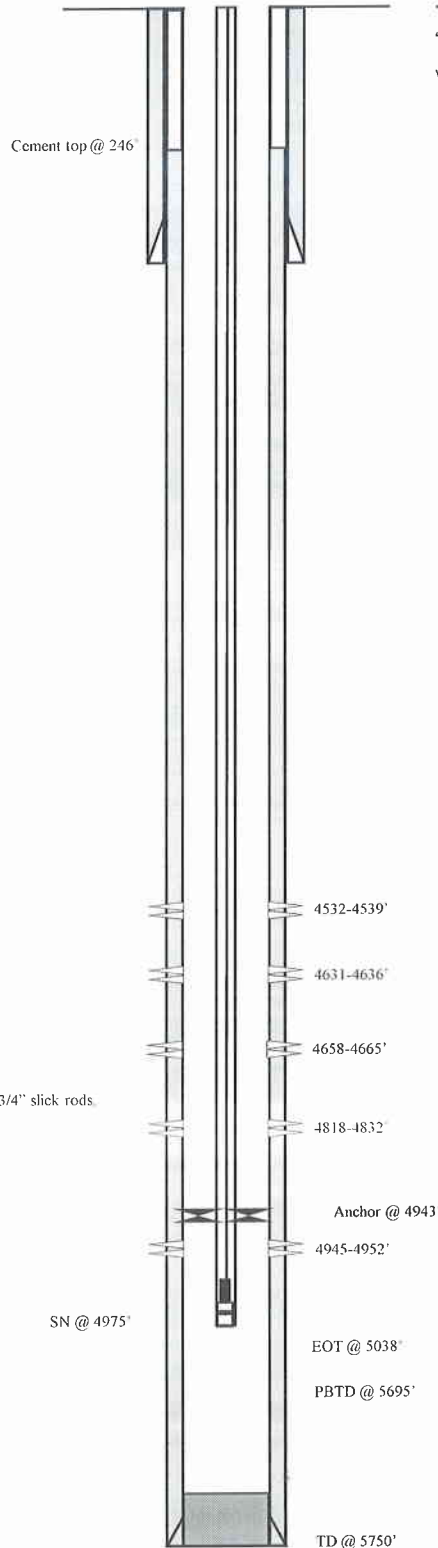
SIZE/GRADE/WT 2-7/8" / J-55  
 NO OF JOINTS 156 jts (4928.48')  
 TUBING ANCHOR 4943' KB  
 NO OF JOINTS 1 jt (30.83')  
 SEATING NIPPLE 2-7/8" (1.10')  
 SN LANDED AT 4975.16' KB  
 NO OF JOINTS 2 jts (62.21')  
 TOTAL STRING LENGTH EOT @ 5037.82'

SUCKER RODS

POLISHED ROD 1 1/2" x 26' polished rod  
 SUCKER RODS 6-1 1/2" weight rods, 20-3/4" guided rods, 72-3/4" slick rods,  
 100-3/4" guided rods, 1-4" x 3/4" pony sub  
 PUMP SIZE 2.5" x 1.5" x 16" x 20" RHAC pump  
 STROKE LENGTH 86"  
 PUMP SPEED, SPM 5

FRAC JOB

4/9/2009 4945-4952' Frac LODC sds as follows:  
 15,387#s of 20/40 sand in 295 bbls of Lightning 17 fluid Treated  
 w/ ave pressure of 2803 psi w/ ave rate of 24.4 BPM ISIP 2884

PERFORATION RECORD

Date	Depth Range	Tool Joint	Holes
4/9/09	4945-4952'	4 JSPF	28 holes
4/9/09	4818-4832'	4 JSPF	56 holes
4/9/09	4631-4636'	4 JSPF	20 holes
4/9/09	4658-4665'	4 JSPF	28 holes
4/9/09	4532-4539'	4 JSPF	28 holes



Federal 2-27-9-16

612' FNL &amp; 2093' FEL

NW/NE Section 27-T9S-R16E

Uintah Co, Utah

API # 43-013-33351; Lease # UTU-74392

Attachment E-10

## Federal 3-27-9-16

Spud Date: 12/15/2008  
Put on Production: 1/16/2009

GL: 5878' KB: 5890'

### SURFACE CASING

CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 7 jts (314.71')  
DEPTH LANDED: 326.56' KB  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 1- 160, sxs Class "G" cmt, est 6 bbls cmt to surf.

### PRODUCTION CASING

CSG SIZE: 5-1/2"  
GRADE: J-55  
WEIGHT: 15.5#  
LENGTH: 145 jts (5719.92')  
DEPTH LANDED: 5733.17'  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 280 sx premlite and 400 sx 50/50 poz  
CEMENT TOP AT: 221'

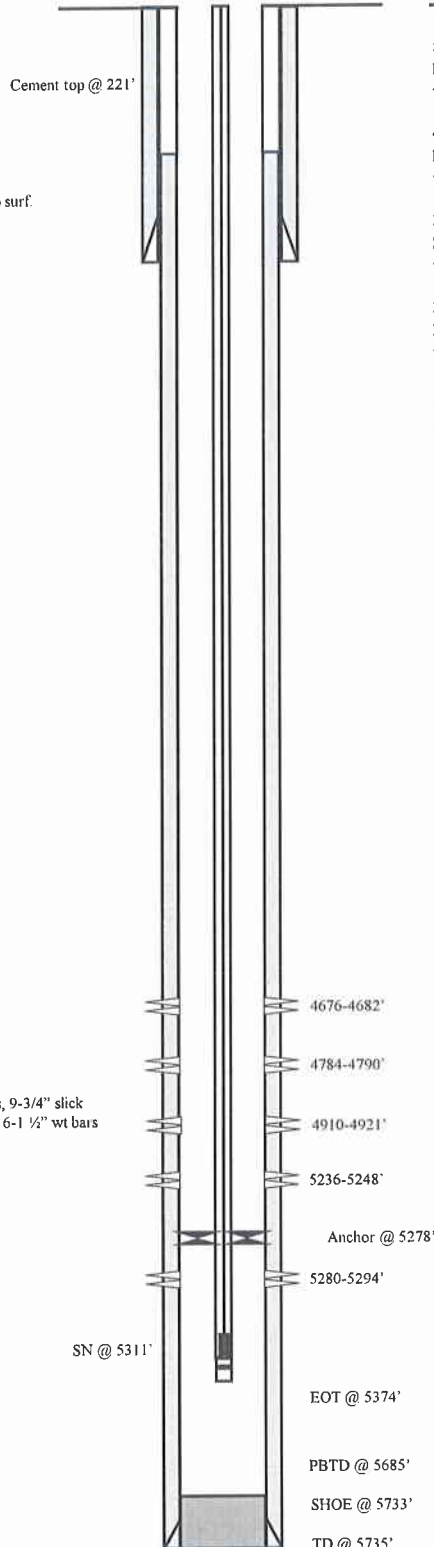
### TUBING

SIZE/GRADE/WT: 2-7/8" / J-55  
NO. OF JOINTS: 168 jts ( 5275.51')  
TUBING ANCHOR: 5278.31' KB  
NO. OF JOINTS: 1 jt (31.20')  
SEATING NIPPLE: 2-7/8" (1.10')  
SN LANDED AT: 5310.61' KB  
NO. OF JOINTS: 2 jts (63.22')  
TOTAL STRING LENGTH: EOT @ 5374.28'

### SUCKER RODS

POLISHED ROD: 1 1/2 x 26' polish rod  
SUCKER RODS: 3/4 x 4', 6', -8' pony rods, 99-3/4" guided rods, 9-3/4" slick rods, 4-3/4" guided rods, 73- 3/4" slick rods, 20- 3/4" guided rods, 6-1 1/2" wt bars  
PUMP SIZE: CDI 2 1/2 x 1 1/2 x 12 x 15' RHAC  
STROKE LENGTH: 86"  
PUMP SPEED, SPM: 5

### Wellbore Diagram



### FRAC JOB

1/13/09 5236-5294' RU BJ & frac CP sds as follows:  
59,884# 20/40 sand in 518 bbls of Lightning 17 frac fluid. Treated @ ave pressure of 1850 @ ave rate of 23 bpm w/ 8 ppg of sand. ISIP was 2205. Actual flush: 4729 gals.

1/13/09 4910-4921' RU BJ & frac stage #2 sds as follows:  
40,194# 20/40 sand in 417 bbls of Lightning 17 frac fluid. Treated @ ave pressure of 2400 @ ave rate of 23 bpm w/ 8 ppg of sand. ISIP was 2404. Actual flush: 4468 gals.

1/13/09 4784-4790' RU BJ & frac stage #3 sds as follows:  
35,105# 20/40 sand in 379 bbls of Lightning 17 frac fluid. Treated @ ave pressure of 2150 @ ave rate of 23 bpm w/ 8 ppg of sand. ISIP was 2056. Actual flush: 4342 gals.

1/14/09 4676-4682' RU BJ & frac stage #4 sds as follows:  
36,549# 20/40 sand in 404 bbls of Lightning 17 frac fluid. Treated @ ave pressure of 2148 @ ave rate of 23 bpm w/ 8 ppg of sand. ISIP was 1951. Actual flush: 4590 gals.

3/9/09 Parted Rods. Updated r & t details.  
7/22/09 Tubing Leak. Updated rod & tubing details.

### PERFORATION RECORD

1/14/09	4676-4682'	4 JSPF	24 holes
1/13/09	4784-4790'	4 JSPF	24 holes
1/13/09	4910-4921'	4 JSPF	44 holes
1/13/09	5236-5248'	4 JSPF	48 holes
1/13/09	5280-5294'	4 JSPF	56 holes

**NEWFIELD**

**Federal 3-27-9-16**

883' FNL & 1839' FWL

NE/NW Section 27-T9S-R16E

Duchesne Co, Utah

API # 43-013-33352 ; Lease # UTU-74392

DF 9/28/09



## Water Analysis Report

Production Company: **NEWFIELD PRODUCTION**Sales Rep: **Darren Betts**Well Name: **FEDERAL 15-22-9-16**Lab Tech: **Gary Peterson**Sample Point: **Treater**Sample Date: **1/3/2012**Sample ID: **WA-204920**Scaling potential predicted using ScaleSoftPitzer from  
Brine Chemistry Consortium (Rice University)

Sample Specifics		Analysis @ Properties in Sample Specifics			
		Cations	mg/L	Anions	mg/L
Test Date:	1/3/2012	Sodium (Na):	10203.82	Chloride (Cl):	13700.00
System Temperature 1 (°F):	300.00	Potassium (K):	0.00	Sulfate (SO4):	920.00
System Pressure 1 (psig):	3000.00	Magnesium (Mg):	69.30	Bicarbonate (HCO3):	3416.00
System Temperature 2 (°F):	70.00	Calcium (Ca):	77.00	Carbonate (CO3):	0.00
System Pressure 2 (psig):	14.70	Strontium (Sr):	0.00	Acetic Acid (CH3COO)	0.00
Calculated Density (g/ml):	1.02	Barium (Ba):	0.32	Propionic Acid (C2H5COO)	0.00
pH:	8.80	Iron (Fe):	224.00	Butanoic Acid (C3H7COO)	0.00
Calculated TDS (mg/L):	28614.64	Zinc (Zn):	0.00	Isobutyric Acid ((CH3)2CHCOO)	0.00
CO2 in Gas (%):	0.00	Lead (Pb):	0.00	Fluoride (F):	0.00
Dissolved CO2 (mg/L):	249.48	Ammonia NH3:	0.00	Bromine (Br):	0.00
H2S in Gas (%):	0.00	Manganese (Mn):	4.20	Silica (SiO2):	0.00
H2S in Water (mg/L):	210.00				

## Notes:

P=12.3mg/l

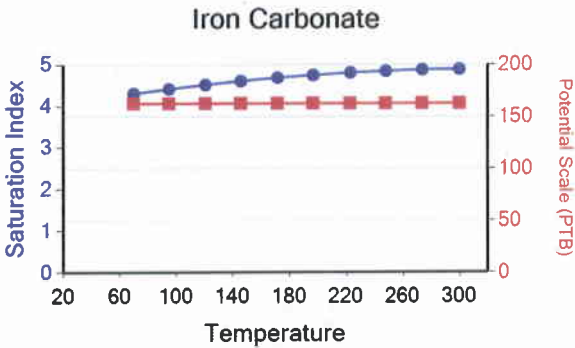
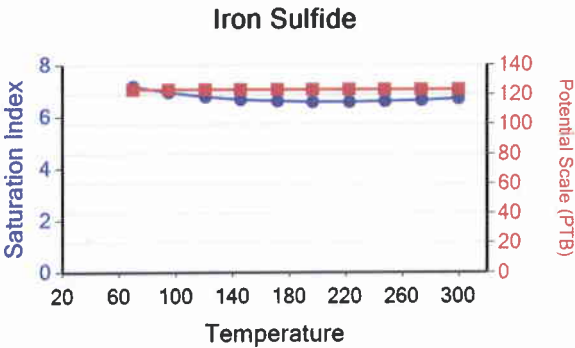
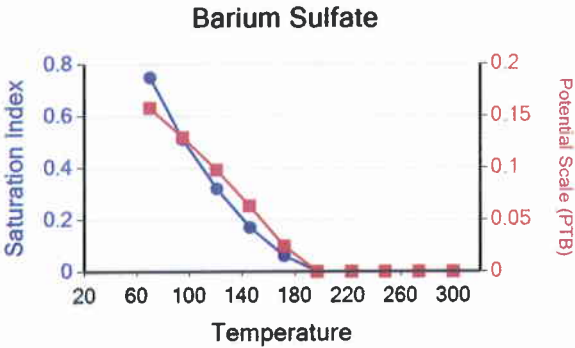
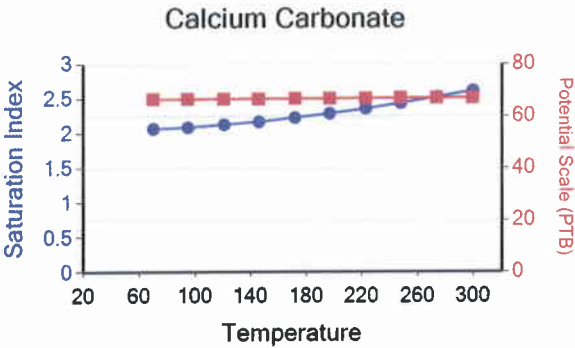
(PTB = Pounds per Thousand Barrels)

		Calcium Carbonate		Barium Sulfate		Iron Sulfide		Iron Carbonate		Gypsum CaSO4·2H2O		Celestite SrSO4		Halite NaCl		Zinc Sulfide	
Temp (°F)	PSI	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB
70	14	2.07	66.57	0.75	0.16	7.18	123.59	4.31	162.86	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
95	346	2.09	66.62	0.51	0.13	6.95	123.59	4.42	162.87	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
121	678	2.13	66.68	0.32	0.10	6.78	123.59	4.52	162.87	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
146	1009	2.17	66.75	0.17	0.06	6.67	123.59	4.61	162.87	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
172	1341	2.23	66.83	0.06	0.02	6.61	123.59	4.69	162.87	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
197	1673	2.29	66.91	0.00	0.00	6.58	123.59	4.75	162.87	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
223	2004	2.36	66.98	0.00	0.00	6.58	123.59	4.81	162.88	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
248	2336	2.44	67.06	0.00	0.00	6.61	123.59	4.85	162.88	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
274	2668	2.53	67.12	0.00	0.00	6.65	123.59	4.88	162.88	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
300	3000	2.62	67.17	0.00	0.00	6.71	123.59	4.89	162.88	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

		Hemihydrate CaSO4·0.5H2O		Anhydrate CaSO4		Calcium Fluoride		Zinc Carbonate		Lead Sulfide		Mg Silicate		Ca Mg Silicate		Fe Silicate	
Temp (°F)	PSI	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB
70	14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
95	346	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
121	678	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
146	1009	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
172	1341	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
197	1673	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
223	2004	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
248	2336	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
274	2668	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
300	3000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

These scales have positive scaling potential under initial temperature and pressure: Calcium Carbonate Barium Sulfate Iron Sulfide Iron Carbonate

These scales have positive scaling potential under final temperature and pressure: Calcium Carbonate Iron Sulfide Iron Carbonate





## Water Analysis Report

Production Company: **NEWFIELD PRODUCTION**Sales Rep: **Darren Betts**Well Name: **SWDIF**Lab Tech: **John Keel**Sample Point: **Comingled**Sample Date: **1/16/2012**Sample ID: **WA-205549**Scaling potential predicted using ScaleSoftPitzer from  
Brine Chemistry Consortium (Rice University)

Sample Specifics		Analysis @ Properties in Sample Specifics			
		Cations		Anions	
		mg/L		mg/L	
Test Date:	1/16/2012	Sodium (Na):	3090.28	Chloride (Cl):	4200.00
System Temperature 1 (°F):	300.00	Potassium (K):	12.90	Sulfate (SO4):	67.00
System Pressure 1 (psig):	1300.00	Magnesium (Mg):	7.00	Bicarbonate (HCO3):	1024.80
System Temperature 2 (°F):	70.00	Calcium (Ca):	22.40	Carbonate (CO3):	0.00
System Pressure 2 (psig):	14.70	Strontium (Sr):		Acetic Acid (CH3COO)	0.00
Calculated Density (g/ml):	1.00	Barium (Ba):	9.20	Propionic Acid (C2H5COO)	0.00
pH:	6.40	Iron (Fe):	1.70	Butanoic Acid (C3H7COO)	0.00
Calculated TDS (mg/L):	8436.08	Zinc (Zn):	0.40	Isobutyric Acid ((CH3)2CHCOO)	0.00
CO2 in Gas (%):	0.00	Lead (Pb):	0.30	Fluoride (F):	
Dissolved CO2 (mg/L):	99.00	Ammonia NH3:		Bromine (Br):	
H2S in Gas (%):		Manganese (Mn):	0.10	Silica (SiO2):	
H2S in Water (mg/L):	30.00				

## Notes:

P=.6

(PTB = Pounds per Thousand Barrels)

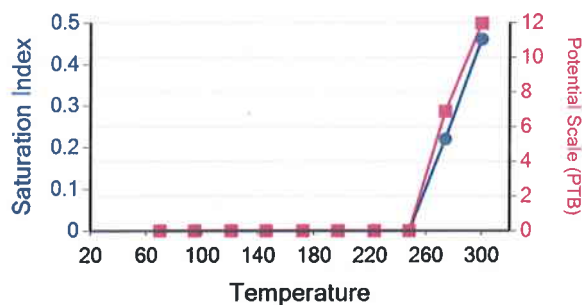
		Calcium Carbonate		Barium Sulfate		Iron Sulfide		Iron Carbonate		Gypsum CaSO4·2H2O		Celestite SrSO4		Halite NaCl		Zinc Sulfide	
Temp (°F)	PSI	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB
70	14	0.00	0.00	1.61	5.33	1.38	0.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.04	0.21
95	157	0.00	0.00	1.38	5.23	1.22	0.88	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.58	0.21
121	300	0.00	0.00	1.20	5.10	1.23	0.88	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.30	0.21
146	443	0.00	0.00	1.07	4.97	1.29	0.89	0.12	0.30	0.00	0.00	0.00	0.00	0.00	0.00	8.08	0.21
172	585	0.00	0.00	0.98	4.85	1.39	0.90	0.32	0.64	0.00	0.00	0.00	0.00	0.00	0.00	7.92	0.21
197	728	0.00	0.00	0.92	4.76	1.52	0.91	0.51	0.85	0.00	0.00	0.00	0.00	0.00	0.00	7.80	0.21
223	871	0.00	0.00	0.89	4.70	1.68	0.92	0.70	0.99	0.00	0.00	0.00	0.00	0.00	0.00	7.71	0.21
248	1014	0.00	0.00	0.88	4.69	1.87	0.93	0.89	1.08	0.00	0.00	0.00	0.00	0.00	0.00	7.65	0.21
274	1157	0.22	6.88	0.88	4.70	2.07	0.93	1.07	1.13	0.00	0.00	0.00	0.00	0.00	0.00	7.63	0.21
300	1300	0.46	11.97	0.91	4.74	2.30	0.93	1.25	1.17	0.00	0.00	0.00	0.00	0.00	0.00	7.62	0.21

		Hemihydrate CaSO4·0.5H2O		Anhydrate CaSO4		Calcium Fluoride		Zinc Carbonate		Lead Sulfide		Mg Silicate		Ca Mg Silicate		Fe Silicate	
Temp (°F)	PSI	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB
70	14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.32	0.12	0.00	0.00	0.00	0.00	0.00	0.00
95	157	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.53	0.12	0.00	0.00	0.00	0.00	0.00	0.00
121	300	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.97	0.12	0.00	0.00	0.00	0.00	0.00	0.00
146	443	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.51	0.12	0.00	0.00	0.00	0.00	0.00	0.00
172	585	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.13	0.12	0.00	0.00	0.00	0.00	0.00	0.00
197	728	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.82	0.12	0.00	0.00	0.00	0.00	0.00	0.00
223	871	0.00	0.00	0.00	0.00	0.00	0.00	0.18	0.09	8.56	0.12	0.00	0.00	0.00	0.00	0.00	0.00
248	1014	0.00	0.00	0.00	0.00	0.00	0.00	0.43	0.17	8.36	0.12	0.00	0.00	0.00	0.00	0.00	0.00
274	1157	0.00	0.00	0.00	0.00	0.00	0.00	0.64	0.21	8.19	0.12	0.00	0.00	0.00	0.00	0.00	0.00
300	1300	0.00	0.00	0.00	0.00	0.00	0.00	0.84	0.23	8.07	0.12	0.00	0.00	0.00	0.00	0.00	0.00

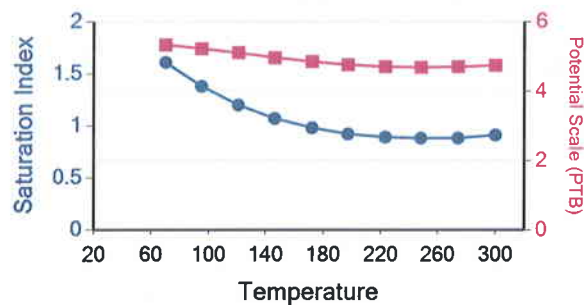
These scales have positive scaling potential under initial temperature and pressure: Barium Sulfate Iron Sulfide Zinc Sulfide Lead Sulfide

These scales have positive scaling potential under final temperature and pressure: Calcium Carbonate Barium Sulfate Iron Sulfide Iron Carbonate Zinc Sulfide Zinc Carbonate Lead Sulfide

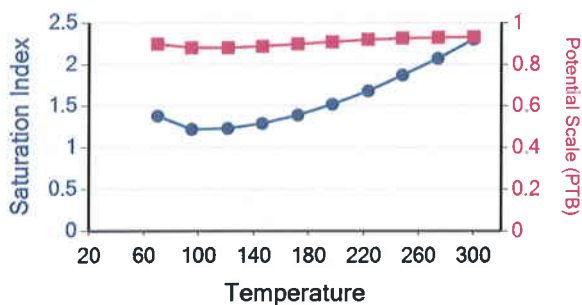
Calcium Carbonate



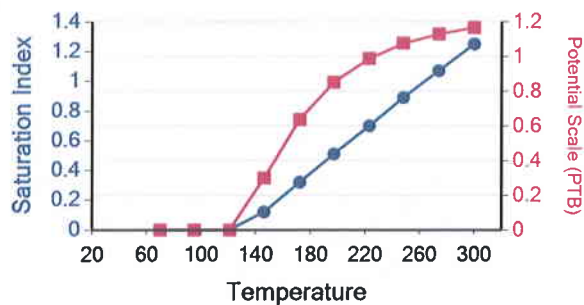
Barium Sulfate



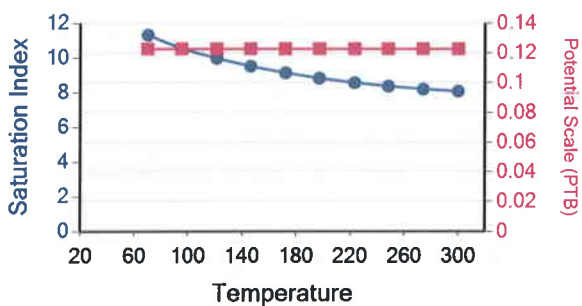
Iron Sulfide



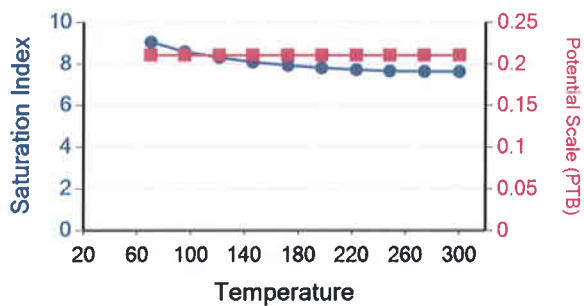
Iron Carbonate



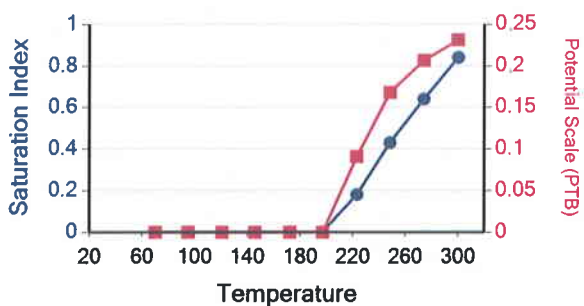
Lead Sulfide



Zinc Sulfide



Zinc Carbonate



Multi-Chem Analytical Laboratory  
1553 East Highway 40  
Vernal, UT 84078

ATTACHMENT F  
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**Attachment "G"**

**Federal #15-22-9-16  
Proposed Maximum Injection Pressure**

Frac Interval (feet)		Avg. Depth (feet)	ISIP (psi)	Calculated Frac Gradient (psi/ft)	Pmax
Top	Bottom				
5574	5582	5578	2430	0.87	2394
5330	5415	5373	1976	0.80	1941
4852	4864	4858	1860	0.82	1828
4656	4662	4659	1720	0.80	1690
4425	4431	4428	1700	0.82	1671
				<b>Minimum</b>	<u>1671</u>

**Calculation of Maximum Surface Injection Pressure**

$P_{max} = (\text{Frac Grad} - (0.433 \times 1.015)) \times \text{Depth of Top Perf}$   
 where pressure gradient for the fresh water is .433 psi/ft and  
 specific gravity of the injected water is 1.015.

$\text{Frac Gradient} = (\text{ISIP} + (0.433 \times \text{Top Perf.})) / \text{Top Perf.}$

**Please note:** These are existing perforations; additional perforations may be added during the actual conversion procedure.



## DAILY COMPLETION REPORT

WELL NAME: Federal 15-22-9-16 Report Date: 8-Jun-07 Day: 1  
 Operation: Completion Rig: Rigless

## WELL STATUS

Surf Csg: 8 5/8' @ 323' Prod Csg: 5 1/2" @ 5769' Csg PBTD: 5697' WL  
 Tbg: Size: \_\_\_\_\_ Wt: \_\_\_\_\_ Grd: \_\_\_\_\_ Pkr/EOT @: \_\_\_\_\_ BP/Sand PBTD: \_\_\_\_\_

## PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
			CP5 sds	5574-5582'	4/32

## CHRONOLOGICAL OPERATIONS

Date Work Performed: 7-Jun-07 SITP: \_\_\_\_\_ SICP: 0

Install 5M frac head. NU 6" 5M Cameron BOP. RU H/O truck & pressure test casing, blind rams, frac head & casing valves to 4500 psi. RU Perforators LLC WLT w/ mast & run CBL under pressure. WLTD @ 5697' & cement top @ surface. Perforate stage #1. CP5 sds @ 5574-5582' w/ 3 1/8" Slick guns (19 gram, .49" HE, 120 , 21.92" pen, EXP. 3319-331 Titan) w/ 4 spf for total of 32 shots. 136 BWTR. SIFN.

## FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 136 Starting oil rec to date: \_\_\_\_\_  
 Fluid lost/recovered today: 0 Oil lost/recovered today: \_\_\_\_\_  
 Ending fluid to be recovered: 136 Cum oil recovered: \_\_\_\_\_  
 IFL: \_\_\_\_\_ FFL: \_\_\_\_\_ FTP: \_\_\_\_\_ Choke: \_\_\_\_\_ Final Fluid Rate: \_\_\_\_\_ Final oil cut: \_\_\_\_\_

## STIMULATION DETAIL

Base Fluid used: \_\_\_\_\_ Job Type: \_\_\_\_\_  
 Company: \_\_\_\_\_  
 Procedure or Equipment detail: \_\_\_\_\_

## COSTS

Weatherford BOP	\$450
NPC NU crew	\$300
NDSI trucking	\$800
Perforators LLC	\$5,409
Drilling cost	\$315,261
D&M hot oil	\$386
Location preparation	\$300
NPC wellhead	\$1,500
Benco - anchors	\$1,200
Admin. Overhead	\$3,000
NPC Supervisor	\$300

Max TP: \_\_\_\_\_ Max Rate: \_\_\_\_\_ Total fluid pmpd: \_\_\_\_\_  
 Avg TP: \_\_\_\_\_ Avg Rate: \_\_\_\_\_ Total Prop pmpd: \_\_\_\_\_  
 ISIP: \_\_\_\_\_ 5 min: \_\_\_\_\_ 10 min: \_\_\_\_\_ 15 min: \_\_\_\_\_

Completion Supervisor: Orson Barney

DAILY COST: \$328,906  
 TOTAL WELL COST: \$328,906



## DAILY COMPLETION REPORT

WELL NAME: Federal 15-22-9-16

Report Date: 12-Jun-07

Day: 2a

Operation: Completion

Rig: Rigless

## WELL STATUS

Surf Csg: 8 5/8' @ 323'

Prod Csg: 5 1/2" @ 5769'

Csg PBTD: 5697' WL

Tbg: Size: Wt:

Grd: Pkr/EOT @:

BP/Sand PBTD:

## PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
			CP5 sds	5574-5582'	4/32

## CHRONOLOGICAL OPERATIONS

Date Work Performed: 11-Jun-07

SITP: SICP: 0

Day2a.

RU BJ Services "Ram Head" frac flange. RU BJ & frac CP5 sds, stage #1 down casing w/ 19,614#'s of 20/40 sand in 325 bbls of Lightning 17 frac fluid. Open well w/ 0 psi on casing. Perfs broke down @ 3280 psi. Treated @ ave pressure of 2433 w/ ave rate of 24.8 bpm w/ 6.5 ppg of sand. Spot 12 bbls of 15% HCL acid in flush for next stage ISIP was 2430. 461 bbls EWTR. Leave pressure on well. See day2b.

## FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 136

Starting oil rec to date:

Fluid lost/recovered today: 325

Oil lost/recovered today:

Ending fluid to be recovered: 461

Cum oil recovered:

IFL: FFL: FTP: Choke: Final Fluid Rate: Final oil cut:

## STIMULATION DETAIL

## COSTS

Base Fluid used: Lightning 17 Job Type: Sand frac

Company: BJ Services

Procedure or Equipment detail: CP5 sds down casing

504 gals to cross link

2016 gals of pad

1511 gals w/ 1-4 ppg of 20/40 sand

3991 gals w/ 4-6.5 ppg of 20/40 sand

504 gals of 15% HCL acid

Flush w/ 5124 gals of slick water

Weatherford Services \$1,000

C-D trkg frac water \$810

Zubiate Hot Oil \$720

BJ Services CP5 sds \$18,563

NPC Supervisor \$300

\*\*Flush called @ blender to include 2 bbls pump/line volume\*\*

Max TP: 2627 Max Rate: 24.8 Total fluid pmpd: 325 bbls

Avg TP: 2433 Avg Rate: 24.8 Total Prop pmpd: 19,614#'s

ISIP: 2430 5 min: 10 min: FG: .87

Completion Supervisor: Ron Shuck

DAILY COST: \$21,393

TOTAL WELL COST: \$350,299



## DAILY COMPLETION REPORT

WELL NAME: Federal 15-22-9-16

Report Date: 12-Jun-07

Day: 2b

Operation: Completion

Rig: Rigless

## WELL STATUS

Surf Csg: 8 5/8' @ 323'

Prod Csg: 5 1/2" @ 5769'

Csg PBTD: 5697' WL

Tbg: Size: Wt:

Grd: Pkr/EOT @:

BP/Sand PBTD: 5510'

## PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
			CP3 sds	5402-5415'	4/52
			CP5 sds	5574-5582'	4/32
CP1 sds	5330-5340'	4/40			
CP2 sds	5363-5369'	4/24			

## CHRONOLOGICAL OPERATIONS

Date Work Performed: 11-Jun-07

SITP: SICP: 0

Day 2b.

RU Lone Wolf WLT, crane & lubricator. RIH w/ Weatherford 5-1/2" (6K) solid composite frac plug & 13' perf gun. Set plug @ 5510'. Perforate CP3 sds @ 5402-15', CP2 sds @ 5363-69', CP1 sds @ 5330-40' w/ 3-1/8" Slick Guns (23 gram, .46" HE, 90 ) w/ 4 spf for total of 116 shots (3 runs due to misfire). RU BJ & perfs won't break down. RIH & spot 10 gals of 15% HCL acid on perfs. RU BJ & frac stage #2 w/ 34,912#'s of 20/40 sand in 403 bbls of Lightning 17 frac fluid. Open well w/ 0 psi on casing. Perfs broke down @ 3620 psi. Treated @ ave pressure of 2224 w/ ave rate of 24.8 bpm w/ 6.5 ppg of sand. Spot 12 bbls of 15% HCL acid in flush for next stage. ISIP was 1976. 864 bbls EWTR. Leave pressure on well. See day 2c.

## FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 461

Starting oil rec to date:

Fluid lost/recovered today: 403

Oil lost/recovered today:

Ending fluid to be recovered: 864

Cum oil recovered:

IFL: FFL: FTP: Choke: Final Fluid Rate: Final oil cut:

## STIMULATION DETAIL

## COSTS

Base Fluid used: Lightning 17 Job Type: Sand frac

Company: BJ Services

Procedure or Equipment detail: CP3, CP2, CP1 sds down casing

252 gals to cross link

3318 gals of pad

2431 gals w/ 1-4 ppg of 20/40 sand

4890 gals w/ 4-6.5 ppg of 20/40 sand

659 gals w/ 6.5 ppg of 20/40 sand

504 gals of 15% HCL acid

Flush w/ 4872 gals of slick water

\*\*Flush called @ blender to include 2 bbls pump/line volume\*\*

Max TP: 2490 Max Rate: 24.8 Total fluid pmpd: 403 bbls

Avg TP: 2224 Avg Rate: 24.8 Total Prop pmpd: 34,912#'s

ISIP: 1976 5 min: 10 min: FG: .80

Completion Supervisor: Ron Shuck

Weatherford Services \$2,300

C-D trkg frac water \$1,440

Zubiate Hot Oil \$1,270

BJ Services CP sds \$8,595

Lone Wolf CP sds \$4,100

DAILY COST: \$17,705

TOTAL WELL COST: \$368,004





## DAILY COMPLETION REPORT

WELL NAME: Federal 15-22-9-16

Report Date: 12-Jun-07

Day: 2c

Operation: Completion

Rig: Rigless

## WELL STATUS

Surf Csg: 8 5/8' @ 323' Prod Csg: 5 1/2" @ 5769' Csg PBTD: 5697' WL  
 Tbg: Size: Wt: Grd: Pkr/EOT @: BP/Sand PBTD: 4960'  
 plug 5510'

## PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
			CP3 sds	5402-5415'	4/52
			CP5 sds	5574-5582'	4/32
A1 sds	4852-4864'	4/48			
CP1 sds	5330-5340'	4/40			
CP2 sds	5363-5369'	4/24			

## CHRONOLOGICAL OPERATIONS

Date Work Performed: 11-Jun-07

SITP: SICP: 1671

Day2c.

RU WLT. RIH w/ flow through frac plug & 12' perf gun. Set plug @ 4960'. Perforate A1 sds @ 4852-64' w/ 4 spf for total of 48 shots. RU BJ & frac stage #3 w/ 19,473#'s of 20/40 sand in 287 bbls of Lightning 17 frac fluid. Open well w. 1671 psi on casing. Perfs broke down @ 3893 psi. Treated @ ave pressure of 1777 w/ ave rate of 24.8 bpm w/ 6.5 ppg of sand. Spot 12 bbls of 15% HCL acid in flush for next stage. ISIP was 1860. 1151 bbls EWTR. Leave pressure on well. See day2d.

## FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 864 Starting oil rec to date:  
 Fluid lost/recovered today: 287 Oil lost/recovered today:  
 Ending fluid to be recovered: 1151 Cum oil recovered:  
 IFL: FFL: FTP: Choke: Final Fluid Rate: Final oil cut:

## STIMULATION DETAIL

## COSTS

Base Fluid used: Lightning 17 Job Type: Sand frac  
 Company: BJ Services

Procedure or Equipment detail: A1 sds down casing

378 gals to cross link

2016 gals of pad

1511 gals w/ 1-4 ppg of 20/40 sand

3235 gals w/ 4-6.5 ppg of 20/40 sand

504 gals of 15% HCL acid

Flush w/ 4410 gals of slick water

Weatherford Services \$2,300

C-D trkg frac water \$810

Zubiate Hot Oil \$720

BJ Services A1 sds \$5,395

Lone Wolf A1 sds \$4,100

\*\*Flush called @ blender to include 2 bbls pump/line volume\*\*

Max TP: 2014 Max Rate: 24.8 Total fluid pmpd: 287 bbls

Avg TP: 1777 Avg Rate: 24.8 Total Prop pmpd: 19,473#'s

ISIP: 1860 5 min: 10 min: FG: .82

Completion Supervisor: Ron Shuck

DAILY COST: \$13,325

TOTAL WELL COST: \$381,329





## DAILY COMPLETION REPORT

WELL NAME: Federal 15-22-9-16

Report Date: 12-Jun-07

Day: 2d

Operation: Completion

Rig: Rigless

## WELL STATUS

Surf Csg: 8 5/8' @ 323' Prod Csg: 5 1/2" @ 5769' Csg PBTD: 5697' WL  
 Tbg: Size: Wt: Grd: Pkr/EOT @: BP/Sand PBTD: 4760'  
 plug 5510' 4960'

## PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
B1 sds	4656-4662'	4/24	CP3 sds	5402-5415'	4/52
A1 sds	4852-4864'	4/48	CP5 sds	5574-5582'	4/32
CP1 sds	5330-5340'	4/40			
CP2 sds	5363-5369'	4/24			

## CHRONOLOGICAL OPERATIONS

Date Work Performed: 11-Jun-07

SITP: SICP: 1499

Day2d.

RU WLT. RIH w/ flow through frac plug & 6' perf gun. Set plug @ 4760'. Perforate B1 sds @ 4656-62' w/ 4 spf for total of 24 shots. RU BJ & frac stage #4 w/ 14,664#'s of 20/40 sand in 237 bbls of Lightning 17 frac fluid. Open well w. 1499 psi on casing. Perfs broke down @ 3921 psi. Treated @ ave pressure of 1924 w/ ave rate of 24.8 bpm w/ 6.5 ppg of sand. Spot 12 bbls of 15% HCL acid in flush for next stage. ISIP was 1720. 1388 bbls EWTR. Leave pressure on well. See day2e.

## FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 1151 Starting oil rec to date:  
 Fluid lost/recovered today: 237 Oil lost/recovered today:  
 Ending fluid to be recovered: 1388 Cum oil recovered:  
 IFL: FFL: FTP: Choke: Final Fluid Rate: Final oil cut:

## STIMULATION DETAIL

## COSTS

Base Fluid used: Lightning 17 Job Type: Sand frac

Company: BJ Services

Procedure or Equipment detail: B1 sds down casing

294 gals to cross link

1512 gals of pad

1149 gals w/ 1-4 ppg of 20/40 sand

2296 gals w/ 4-6.5 ppg of 20/40 sand

504 gals of 15% HCL acid

Flush w/ 4200 gals of slick water

Weatherford Services \$2,300

C-D trkg frac water \$4,335

Zubiate Hot Oil \$630

BJ Services B1 sds \$560

Lone Wolf B1 sds \$4,100

\*\*Flush called @ blender to include 2 bbls pump/line volume\*\*

Max TP: 2237 Max Rate: 24.8 Total fluid pmpd: 237 bbls

Avg TP: 1924 Avg Rate: 24.8 Total Prop pmpd: 14,664#'s

ISIP: 1720 5 min: 10 min: FG: .80

Completion Supervisor: Ron Shuck

DAILY COST: \$11,925

TOTAL WELL COST: \$393,254



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## DAILY COMPLETION REPORT

WELL NAME: Federal 15-22-9-16Report Date: 12-Jun-07Day: 2eOperation: CompletionRig: Rigless

## WELL STATUS

Surf Csg: 8 5/8' @ 323'Prod Csg: 5 1/2" @ 5769'Csg PBTD: 5697' WLTbg: Size: Wt:Grd: Pkr/EOT @:BP/Sand PBTD: 4540'plug 5510' 4960' 4760'

## PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
D1 sds	4425-4431'	4/24	CP3 sds	5402-5415'	4/52
B1 sds	4656-4662'	4/24	CP5 sds	5574-5582'	4/32
A1 sds	4852-4864'	4/48			
CP1 sds	5330-5340'	4/40			
CP2 sds	5363-5369'	4/24			

## CHRONOLOGICAL OPERATIONS

Date Work Performed: 11-Jun-07SITP: SICP: 330

Day 2e.

RU WLT. RIH w/ solid frac plug & 6' perf gun. Set plug @ 4540'. Perforate D1 sds @ 4425-31' w/ 4 spf for total of 24 shots. RU BJ & frac stage #5 w/ 22,099#'s of 20/40 sand in 274 bbls of Lightning 17 frac fluid. Open well w/ 330 ps on casing. Perfs broke down @ 2369 psi. Treated @ ave pressure of 2182 w/ ave rate of 24.8 bpm w/ 6.5 ppg of sand. ISIP was 1700. 1662 bbls EWTR. RD BJ & WLT. Flow well back. Well flowed for 2 hours & died w/ 150 bbls rec'd. SIFN.

## FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 1662Starting oil rec to date: Fluid lost/recovered today: 200Oil lost/recovered today: Ending fluid to be recovered: 1462Cum oil recovered: IFL: FFL: FTP: Choke: Final Fluid Rate: Final oil cut:

## STIMULATION DETAIL

## COSTS

Base Fluid used: Lightning 17 Job Type: Sand fracCompany: BJ ServicesProcedure or Equipment detail: D1 sds down casing336 gals to cross link2016 gals of pad1511 gals w/ 1-4 ppg of 20/40 sand2016 gals w/ 4-6.5 ppg of 20/40 sandFlush w/ 3948 gals of slick waterWeatherford Services \$2,300C-D trkg frac water \$810Zubiate Hot Oil \$720BJ Services D1 sds \$22,560Lone Wolf D1 sds \$4,100Max TP: 2391 Max Rate: 24.8 Total fluid pmpd: 274 bblsAvg TP: 2182 Avg Rate: 24.8 Total Prop pmpd: 22,099#'sISIP: 1700 5 min: 10 min: FG: .82Completion Supervisor: Ron ShuckDAILY COST: \$30,490TOTAL WELL COST: \$423,744



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## DAILY COMPLETION REPORT

WELL NAME: Federal 15-22-9-16

Report Date: 14-Jun-07

Day: 3

Operation: Completion

Rig: NC#1

## WELL STATUS

Surf Csg: 8 5/8' @ 323'

Prod Csg: 5 1/2" @ 5769'

Csg PBTD: 5697' WL

Tbg: Size: Wt:

Grd: Pkr/EOT @:

BP/Sand PBTD: 4540'

plug 5510' 4960' 4760'

## PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
D1 sds	4425-4431'	4/24	CP3 sds	5402-5415'	4/52
B1 sds	4656-4662'	4/24	CP5 sds	5574-5582'	4/32
A1 sds	4852-4864'	4/48			
CP1 sds	5330-5340'	4/40			
CP2 sds	5363-5369'	4/24			

## CHRONOLOGICAL OPERATIONS

Date Work Performed: 13-Jun-07

SITP: SICP: 330

4:00PM MIRU NC#1, R/U R/pmp &amp; pmp Lines, 7:00PM C/SDFN.

## FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 1462

Starting oil rec to date:

Fluid lost/recovered today: 0

Oil lost/recovered today:

Ending fluid to be recovered: 1462

Cum oil recovered:

IFL: FFL: FTP: Choke: Final Fluid Rate: Final oil cut:

## STIMULATION DETAIL

Base Fluid used: Job Type:

Company:

## COSTS

NC#1	\$1,917
NPC Supervision	\$300
NDSI Wtr Trucking	\$400
Unichem	\$400
Monks Pit Reclaim	\$1,800
NPC Sfc Eq	\$130,000
Labor / Welding	\$19,500
NDSI Wtr Disposal	\$3,000
NPC Location Clean Up	\$300
CDI-pmp-T/A-S/N	\$2,055
Mtn West Sanitation	\$600
NPC Trucking	\$300

Max TP: Max Rate: Total fluid pmpd:

Avg TP: Avg Rate: Total Prop pmpd:

ISIP: 5 min: 10 min: FG:

Completion Supervisor: Duane Freston.

DAILY COST: \$160,572

TOTAL WELL COST: \$584,316

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## DAILY COMPLETION REPORT

**WELL NAME:** Federal 15-22-9-16

Report Date: 15-Jun-07

**Day: 4**

<b>Operation:</b>	<b>Completion</b>
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Rig: NC#1

## WELL STATUS

Surf Csg: 8 5/8' @ 323' Prod Csg: 5 1/2" @ 5769' Csg PBTD: 5697' WL  
 Tbg: Size: 2 7/8" Wt: 6.5# Grd: J-55 Pkr/EOT @: BP/Sand PBTD:  
 plug 5510' 4960'

## PERFORATION RECORD

<u>Zone</u>	<u>Perfs</u>	<u>SPF/#shots</u>	<u>Zone</u>	<u>Perfs</u>	<u>SPF/#shots</u>
D1 sds	4425-4431'	4/24	CP3 sds	5402-5415'	4/52
B1 sds	4656-4662'	4/24	CP5 sds	5574-5582'	4/32
A1 sds	4852-4864'	4/48			
CP1 sds	5330-5340'	4/40			
CP2 sds	5363-5369'	4/24			

## CHRONOLOGICAL OPERATIONS

**Date Work Performed:** 14-Jun-07 **SITP:** **SICP:** 330

6:30AM OWU, N/D 10,000 BOP & Frac H/D, N/U 3,000 Flng & 5,000 BOP, RIH W/-4 3/4 Bit, Bit Sub, 146 Jts Tbg To Fill @ 4471', R/U R/pmp, R/U Nabors Pwr Swvl, C/Out To Plg @ 4640', Drill Up Plg, Swvl I/Hle To Fill @ 4698', C/Out To Plg @ 4760', Drill Up Plg, SWI, 6:00PM C/SDFN. EOB @ 4761'.

## FLUID RECOVERY (BBLS)

Starting fluid load to be recovered: <u>1462</u> Fluid lost/recovered today: <u>0</u> Ending fluid to be recovered: <u>1462</u> IFL:            FFL:            FTP:	Starting oil rec to date: _____ Oil lost/recovered today: _____ Cum oil recovered: _____ Choke:            Final Fluid Rate:            Final oil cut:	
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## TUBING DETAIL

### ROD DETAIL

## COSTS

[illegible]

<b>DAILY COST:</b>	<b>\$35,116</b>
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**TOTAL WELL COST:** \$619,432

**Completion Supervisor:** Duane Freston.

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**WELL NAME:** Federal 15-22-9-16      **Report Date:** 18-Jun-07      **Day:** 5  
**Operation:** Completion      **Rig:** NC#1

Surf Csg: 8 5/8' @ 323' Prod Csg: 5 1/2" @ 5769' Csg PBTD: 5715'  
Tba: Size: 2 7/8" Wt: 6.5# Grd: J-55 Pkr/EOT @: 5623' BP/Sand PBTD: 5715'

<u>Zone</u>	<u>Perfs</u>	<u>SPF/#shots</u>	<u>Zone</u>	<u>Perfs</u>	<u>SPF/#shots</u>
D1 sds	4425-4431'	4/24	CP3 sds	5402-5415'	4/52
B1 sds	4656-4662'	4/24	CP5 sds	5574-5582'	4/32
A1 sds	4852-4864'	4/48			
CP1 sds	5330-5340'	4/40			
CP2 sds	5363-5369'	4/24			

**Date Work Performed:** 15-Jun-07 **SITP:** **SICP:** 330

6:30AM OWU, RIH W-Tbg To Plg @ 4960', Drill Up Plg, Swvl I/Hle To Fill @ 5428', C/Out To Plg @ 5510', Drill Up Plg, Swvl I/Hle To Fill @ 5651', C/Out To PBTD @ 5715', Curc Well Clean 1 Hr, POOH W/-5 Jts Tbg, EOB @ 5590' R/U Swab, RIH IFL @ Surf, Made 14 Swab Runs, Recvrd 159 Bbls Wtr, Lite Trce Sand, Lite Trce Oil, FFL @ , RIH W/Tbg To Fill @ 5710', C/Out To PBTD @ 5715', Curc Well Clean, POOH W/-187 Jts Tbg, Bit Sub & Bit. P/U & RIH W/-N/C, 1 Jt Tbg, S/N, 1 Jt Tbg, 5 1/2 T/A, 181 Jts Tbg, SWI, 6:00PM C/SDFN, Lost 28 Bbls Wtr On Drill Out To PBTD Recvrd 159 Bbls Wtr Swabbing, Lost 73 Bbls Wtr On Curc Out @ PBTD, Total Wtr Recvery For Day = 58 Bbls.

<p>Starting fluid load to be recovered: <u>1462</u></p> <p>Fluid lost/recovered today: <u>58</u></p> <p>Ending fluid to be recovered: <u>1404</u></p> <p>IFL: <b>Surf</b>      FFL: <b>FTP:</b></p>	<p>Starting oil rec to date: _____</p> <p>Oil lost/recovered today: _____</p> <p>Cum oil recovered: _____</p> <p>Choke: _____      Final Fluid Rate: _____      Final oil cut: _____</p>
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[illegible]

**TOTAL WELL COST: \$626,730**

**Completion Supervisor:** Duane Freston.



## **ATTACHMENT H**

### **WORK PROCEDURE FOR PLUGGING AND ABANDONMENT**

1. Set CIBP @ 4375'
2. Plug #1 Set 100' plug on top of CIBP using 12 sx Class "G" cement
3. Plug #2 172' balance plug using 20 sx Class "G" cement 50' above Trona-Bird's Nest extending 50' below base of Mahogany Oil Shale
4. Plug #3 120' balance plug using 14sx Class "G" cement 60' above Uinta/Green River and extending 60' below
5. Plug #4 Pump 43 sx Class "G" cement down 5 ½" casing to 366'

The approximate cost to plug and abandon this well is \$42,000.

## Federal 15-22-9-16

Spud Date: 4/17/2007  
Put on Production: 6-18-2007  
GL: 5846' KB: 5858'

Initial Production: BOPD,  
MCFD, BWPD

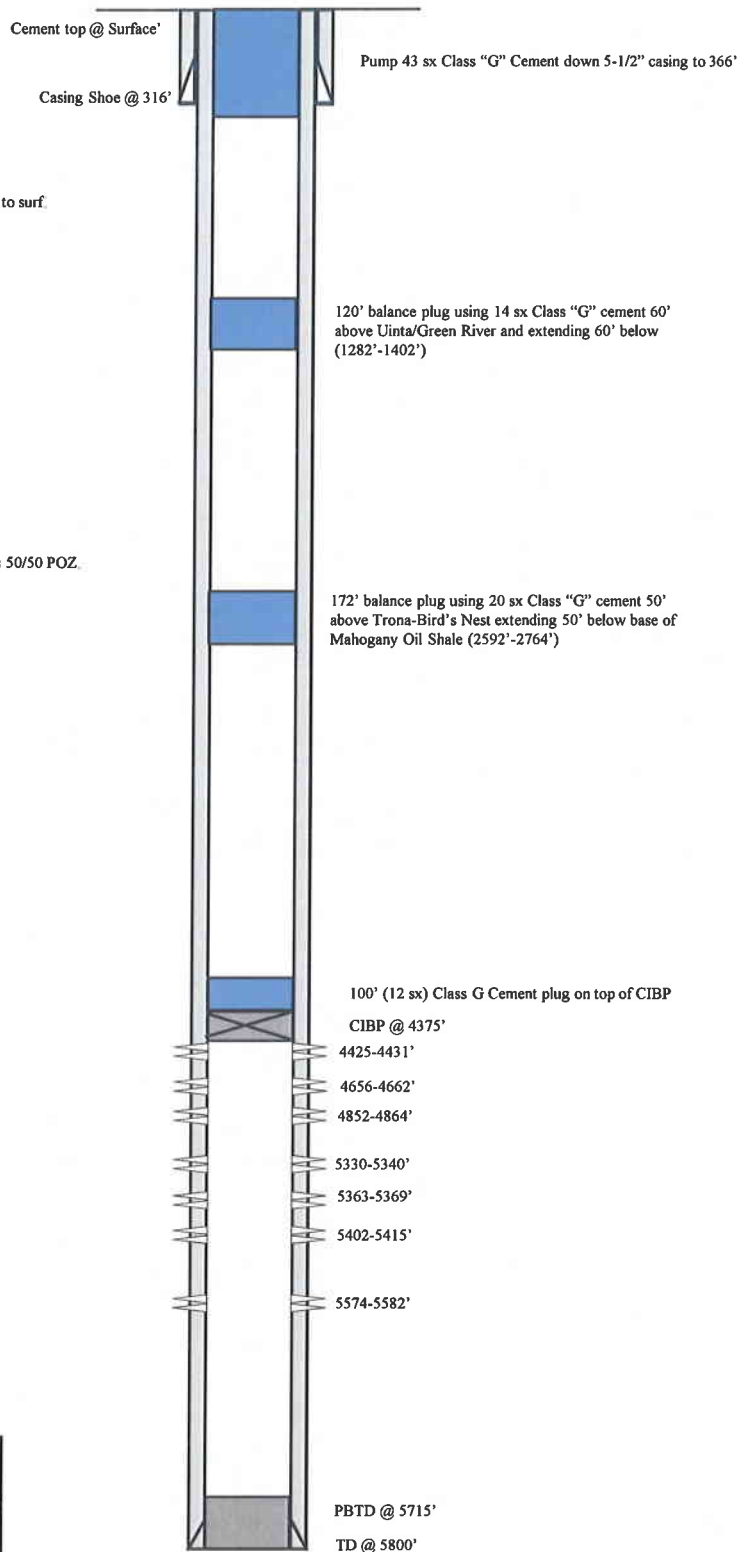
### Proposed P&A Wellbore Diagram

#### SURFACE CASING

CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 7 jts (304.31')  
DEPTH LANDED: 316.16' KB  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 160 sxs Class "G" cmt, est 5 bbls cmt to surf.

#### PRODUCTION CASING

CSG SIZE: 5-1/2"  
GRADE: J-55  
WEIGHT: 15.5#  
LENGTH: 133 jts (5764.96')  
DEPTH LANDED: 5768.96' KB  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 325 sxs Prem. Lite II mixed & 425 sxs 50/50 POZ.  
CEMENT TOP AT: Surface'



**NEWFIELD**



**Federal 15-22-9-16**

355' FSL & 1987' FEL

SW/SE Section 22-T9S-R16E

Duchesne Co, Utah

API # 43-013-33167; Lease # UTU-74392



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

**SUNDRY NOTICES AND REPORTS ON WELLS**  
Do not use this form for proposals to drill or to re-enter an  
abandoned well. Use Form 3160-3 (APD) for such proposals.

FORM APPROVED  
OMB No. 1004-0137  
Expires: July 31, 2010

**SUBMIT IN TRIPLICATE - Other Instructions on page 2**

1. Type of Well  
☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator  
NEWFIELD PRODUCTION COMPANY

3a. Address Route 3 Box 3630  
Myton, UT 84052

3b. Phone (include area code)  
435.646.3721

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
355 FSL 1987 FEL

SWSE Section 22 T9S R16E

5. Lease Serial No.

USA UTU-74392

6. If Indian, Allottee or Tribe Name.

7. If Unit or CA/Agreement, Name and/or

GMBU

8. Well Name and No.

FEDERAL 15-22-9-16

9. API Well No.

4301333167

10. Field and Pool, or Exploratory Area

GREATER MB UNIT

11. County or Parish, State

DUCHESNE, UT

**12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other _____
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug & Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input checked="" type="checkbox"/> Convert to Injector	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation: (Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplate horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recomplate in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Newfield Production proposes to convert the above mentioned well from producing oil well to an injection well.

I hereby certify that the foregoing is true and  
correct (Printed/ Typed)

Title

Regulatory Technician

Jill Loyle

Signature

Date

02/09/2012

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or  
certify that the applicant holds legal or equitable title to those rights in the subject lease  
which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United  
States any false, fictitious and fraudulent statements or representations as to any matter within its jurisdiction

(Instructions on page 2)

4770 S. 5600 W.  
P.O. BOX 704005  
WEST VALLEY CITY, UTAH 84170  
FED.TAX I.D.# 87-0217663

The Salt Lake Tribune MEDIA One  
RECEIVED  
MAR 9 2012

Deseret News

PROOF OF PUBLICATION

CUSTOMER'S COPY

CUSTOMER NAME AND ADDRESS	ACCOUNT NUMBER	DATE
DIV OF OIL-GAS & MINING, 1594 W NORTH TEMP #1210 P.O. BOX 145801 SALT LAKE CITY, UT 84114	9001402352	2/28/2012

ACCOUNT NAME			
DIV OF OIL-GAS & MINING,			
TELEPHONE		ADORDER# / INVOICE NUM	
8015385340		0000770992 /	
SCHEDULE			
Start 02/27/2012		End 02/27/2012	
CUST. REF. NO.			
UIC 387			
CAPTION			
PUBLIC NOTICE BEFORE THE DIVISION OF OIL, GAS AND MINING DEPARTMENT			
SIZE			
73 Lines		2.00 COLUMN	
TIMES		RATE	
4			
MISC. CHARGES		AD CHARGES	
		TOTAL COST	
		250.28	

PUBLIC NOTICE  
BEFORE THE DIVISION OF OIL, GAS AND MINING  
DEPARTMENT OF NATURAL RESOURCES  
STATE OF UTAH  
NOTICE OF AGENCY ACTION  
CAUSE NO. UIC-387  
IN THE MATTER OF THE APPLICATION OF NEWFIELD PRODUCTION COMPANY FOR ADMINISTRATIVE APPROVAL OF CERTAIN WELLS LOCATED IN SECTIONS 16, 18, 20, 22, AND 24, TOWNSHIP 9 SOUTH, RANGE 16 EAST, DUCHESE COUNTY, UTAH, AS CLASS II INJECTION WELLS.  
THE STATE OF UTAH TO ALL PERSONS INTERESTED IN THE ABOVE ENTITLED MATTER.  
Notice is hereby given that the Division of Oil, Gas and Mining (the "Division") is commencing an informal adjudicative proceeding to consider the application of Newfield Production Company for administrative approval of the following wells located in Duchesne County, Utah, for conversion to Class II Injection wells:  
Greater Monument Butte Unit:  
Castle Peak State 43-16 well located in NE/4 SE/4, Section 16, Township 9 South, Range 16 East  
API 43-013-30594  
West Point Federal 4A-18-9-16 well located in NW/4 NW/4, Section 18, Township 9 South, Range 16 East  
API 43-013-33443  
Federal 13-18-9-16 well located in SW/4 SW/4, Section 18, Township 9 South, Range 16 East  
API 43-013-32999  
Federal 7-20-9-16 well located in SW/4 NE/4, Section 20, Township 9 South, Range 16 East  
API 43-013-33106  
Federal 11-20-9-16 well located in NE/4 SW/4, Section 20, Township 9 South, Range 16 East  
API 43-013-32598  
Federal 15-20-9-16 well located in SW/4 SE/4, Section 20, Township 9 South, Range 16 East  
API 43-013-33105  
Federal 18-22-9-16 well located in SW/4 SE/4, Section 22, Township 9 South, Range 16 East  
API 43-013-33167  
Federal 9-24-9-16 well located in NE/4 SE/4, Section 24, Township 9 South, Range 16 East  
API 43-013-33338  
Federal 13-24-9-16 well located in SW/4 SW/4, Section 24, Township 9 South, Range 16 East  
API 43-013-33342  
The proceeding will be conducted in accordance with Utah Admin. R649-10, Administrative Procedures.  
Selected zones in the Green River Formation will be used for water injection. The maximum requested injection pressures and rates will be determined based on fracture gradient information submitted by Newfield Production Company.  
Any person desiring to object to the application or otherwise intervene in the proceeding, must file a written protest or notice of intervention with the Division within fifteen days following publication of this notice. The Division's Presiding Officer for the proceeding is Brad Hill, Permitting Manager, at P.O. Box 145801, Salt Lake City, UT 84114-5801, phone number (801) 538-5340. If such a protest or notice of intervention is received, a hearing will be scheduled in accordance with the aforementioned administrative procedural rules. Protestants and/or interveners should be prepared to demonstrate at the hearing how this matter affects their interests.  
Dated this 21st day of February, 2012.  
STATE OF UTAH  
DIVISION OF OIL, GAS & MINING  
/s/ Brad Hill  
Permitting Manager  
770992

UPAXLP

AFFIDAVIT OF PUBLICATION

AS NEWSPAPER AGENCY COMPANY, LLC dba MEDIAONE OF UTAH LEGAL BOOKER, I CERTIFY THAT THE ATTACHED ADVERTISEMENT OF **PUBLIC NOTICE BEFORE THE DIVISION OF OIL, GAS AND MINING DEPARTMENT OF NATURAL RESOURCES STATE OF UTAH NOTICE OF AGENCY ACTION CAUSE NO. UIC-387 IN THE MATTER FOR DIV OF OIL-GAS & MINING**, WAS PUBLISHED BY THE NEWSPAPER AGENCY COMPANY, LLC dba MEDIAONE OF UTAH, AGENT FOR THE SALT LAKE TRIBUNE AND DESERET NEWS, DAILY NEWSPAPERS PRINTED IN THE ENGLISH LANGUAGE WITH GENERAL CIRCULATION IN UTAH, AND PUBLISHED IN SALT LAKE CITY, SALT LAKE COUNTY IN THE STATE OF UTAH. NOTICE IS ALSO POSTED ON UTAHLEGALS.COM ON THE SAME DAY AS THE FIRST NEWSPAPER PUBLICATION DATE AND REMAINS ON UTAHLEGALS.COM INDEFINITELY.

PUBLISHED ON Start 02/27/2012 End 02/27/2012

SIGNATURE

*Brad Hill*

2/28/2012



VIRGINIA CRAFT  
Notary Public, State of Utah  
Commission # 581489  
My Commission Expires  
January 12, 2014

*Virginia Craft*

THIS IS NOT A STATEMENT BUT A "PROOF OF PUBLICATION"  
PLEASE PAY FROM BILLING STATEMENT

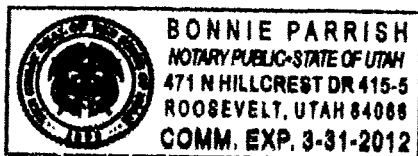
County of Duchesne,  
STATE OF UTAH

I, Kevin Ashby on oath, say that I am the PUBLISHER of the Uintah Basin Standard, a weekly newspaper of general circulation, published at Roosevelt, State and County aforesaid, and that a certain notice, a true copy of which is hereto attached, was published in the full issue such newspaper for 1 consecutive issues, and that the first publication was on the 28 day of February, 2012, and that the last publication of such notice was in the issue of such newspaper dated the 28 day of February, 2012, and that said notice was published on Utahlegals.com on the same day as the first newspaper publication and the notice remained on Utahlegals.com until the end of the scheduled run.

*Rum Cshly*  
\_\_\_\_\_  
Publisher

Subscribed and sworn to before me this

1 day of March, 20 12  
Bonnie Parrish  
 Notary Public



**NOTICE OF  
AGENCY  
ACTION  
CAUSE NO.  
UIC-387**

BEFORE THE DIVISION OF OIL, GAS AND MINING, DEPARTMENT OF NATURAL RESOURCES OF UTAH.

IN THE MATTER OF THE APPLICATION FOR PERMIT TO ADMINISTER THE PRODUCTION OF OIL AND GAS FROM THE SECTIONS 22, AND 23, TOWNSHIP 16 EAST, RANGE 11 NORTH, CANYON COUNTY, CLASS II OIL WELLS.

THE STATE OF UTAH, BY AND THROUGH THE ATTORNEY GENERAL, PLAINTIFF, VS. THE UNITED STATES OF AMERICA, DEFENDANT.

NOTICE IS HEREBY GIVEN THAT BALLARD CITY will hold a public hearing to discuss and submit an application to the Permanent Commission for funding the Union Street Improvements. Union Street from US Highway 40 to 400 North, as well as along the border of Duchesne and Uintah County, with the actual roadway in Ballard City and Uintah County. This street serves residents and businesses from Roosevelt City on the West and Ballard City on the East. It also serves as a route for pedestrian and vehicle traffic from East Elementary School and Union High School. This project includes a complete reconstruction of the street with approximately 2 blocks of full width roadway reconstruction, with curb, gutter, and sidewalks with ADA street crossing ramps and driveway approaches. Storm drainage problems will be addressed with catch basins, waterways, and piping to alleviate flooding and roadway damage previously experienced. Utility infrastructure will be replaced and installed including fire hydrants, curbs, and secondary water lines, and storm drain piping. The estimated total cost of this project is \$1.25 million. The hearing will be held on Tuesday, March 6, 2012, at 7:00 pm at the Ballard City offices, 2381 East 1000 South, Ballard, Utah. In compliance with the Americans with Disabilities Act, individuals needing special accommodations should contact the Permitting Manager Published in the Uintah Standard February 2012.

**NOTICE OF  
PUBLIC  
HEARING**

Treasury, (Circular 570, latest edition).  
Date: February 16, 2012  
Kojan Rowley, Mayor.  
Published in the Utah Basin Standard February 21 and 28, 2012.

BEFORE THE DIVISION OF OIL, GAS AND MINING  
DEPARTMENT OF NATURAL RESOURCES  
STATE OF UTAH  
NOTICE OF AGENCY ACTION  
CAUSE NO. UIC-387

IN THE MATTER OF THE APPLICATION OF NEWFIELD PRODUCTION COMPANY FOR ADMINISTRATIVE APPROVAL OF CERTAIN WELLS LOCATED IN SECTIONS 16, 18, 20, 22, AND 24, TOWNSHIP 9 SOUTH, RANGE 16 EAST, DUCHESNE COUNTY, UTAH, AS CLASS II INJECTION WELLS.

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API 43-013-30594

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API 43-013-33463

Federal 13-18-9-16 well located in SW/4 SW/4, Section 18, Township 9 South, Range 16 East  
API 43-013-32999

Federal 7-20-9-16 well located in SW/4 NE/4, Section 20, Township 9 South, Range 16 East  
API 43-013-33106

Federal 11-20-9-16 well located in NE/4 SW/4, Section 20, Township 9 South, Range 16 East  
API 43-013-32598

Federal 15-20-9-16 well located in SW/4 SE/4, Section 20, Township 9 South, Range 16 East  
API 43-013-33105

Federal 15-22-9-16 well located in SW/4 SE/4, Section 22, Township 9 South, Range 16 East  
API 43-013-33167

Federal 9-24-9-16 well located in NE/4 SE/4, Section 24, Township 9 South, Range 16 East  
API 43-013-33338

Federal 13-24-9-16 well located in SW/4 SW/4, Section 24, Township 9 South, Range 16 East  
API 43-013-33342

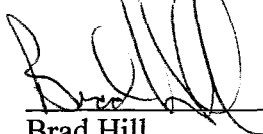
The proceeding will be conducted in accordance with Utah Admin. R649-10, Administrative Procedures.

Selected zones in the Green River Formation will be used for water injection. The maximum requested injection pressures and rates will be determined based on fracture gradient information submitted by Newfield Production Company.

Any person desiring to object to the application or otherwise intervene in the proceeding, must file a written protest or notice of intervention with the Division within fifteen days following publication of this notice. The Division's Presiding Officer for the proceeding is Brad Hill, Permitting Manager, at P.O. Box 145801, Salt Lake City, UT 84114-5801, phone number (801) 538-5340. If such a protest or notice of intervention is received, a hearing will be scheduled in accordance with the aforementioned administrative procedural rules. Protestants and/or interveners should be prepared to demonstrate at the hearing how this matter affects their interests.

Dated this 21st day of February, 2012.

STATE OF UTAH  
DIVISION OF OIL, GAS & MINING

A handwritten signature in black ink, appearing to read 'Brad Hill', is written over a horizontal line.

Brad Hill  
Permitting Manager

**Newfield Production Company**

**CASTLE PEAK STATE 43-16, WEST POINT FEDERAL 4A-18-9-16,  
FEDERAL 13-18-9-16, FEDERAL 7-20-9-16, FEDERAL 11-20-9-16,  
FEDERAL 15-20-9-16, FEDERAL 15-22-9-16,  
FEDERAL 9-24-9-16, FEDERAL 13-24-9-16**

**Cause No. UIC-387**

Publication Notices were sent to the following:

Newfield Production Company  
1001 17th Street, Suite 2000  
Denver, CO 80202

Uintah Basin Standard  
268 South 200 East  
Roosevelt, UT 84066  
via e-mail [legals@ubstandard.com](mailto:legals@ubstandard.com)

Salt Lake Tribune  
P O Box 45838  
Salt Lake City, UT 84145  
via e-mail [naclegal@mediaoneutah.com](mailto:naclegal@mediaoneutah.com)

Vernal Office  
Bureau of Land Management  
170 South 500 East  
Vernal, UT 84078

Duchesne County Planning  
P O Box 317  
Duchesne, UT 84021-0317

Bruce Suchomel  
US EPA Region 8  
MS 8P-W-GW  
1595 Wynkoop Street  
Denver, CO 80202-1129

SITLA  
675 E 500 S Ste 500  
Salt Lake City, UT 84102-2818

Newfield Production Company  
Rt 3 Box 3630  
Myton, UT 84052

  
\_\_\_\_\_



GARY R. HERBERT  
Governor

GREGORY S. BELL  
Lieutenant Governor

# State of Utah

## DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
Executive Director

### Division of Oil, Gas and Mining

JOHN R. BAZA  
Division Director

February 21, 2012

Via e-mail: [legals@ubstandard.com](mailto:legals@ubstandard.com)

Uintah Basin Standard  
268 South 200 East  
Roosevelt, UT 84066

Subject: Notice of Agency Action – Newfield Production Company Cause No. UIC-387

To Whom It May Concern:

Enclosed is a copy of the referenced Notice of Agency Action. Please publish the Notice, once only, as soon as possible. Please notify me via e-mail of the date it will be published. My e-mail address is: [jsweet@utah.gov](mailto:jsweet@utah.gov).

Please send proof of publication and billing to:

Division of Oil, Gas and Mining  
PO Box 145801  
Salt Lake City, UT 84114-5801

Sincerely,

Jean Sweet  
Executive Secretary

Enclosure



**From:** Cindy Kleinfelter <classifieds@ubstandard.com>  
**To:** <jsweet@utah.gov>  
**Date:** 2/23/2012 12:02 PM  
**Subject:** Legal Notice

It will be published Feb. 28, 2012.  
Thank you.  
Cindy





GARY R. HERBERT  
Governor

GREGORY S. BELL  
Lieutenant Governor

# State of Utah

## DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
Executive Director

### Division of Oil, Gas and Mining

JOHN R. BAZA  
Division Director

February 21, 2012

VIA E-MAIL [naclegal@mediaoneutah.com](mailto:naclegal@mediaoneutah.com)

Salt Lake Tribune  
P. O. Box 45838  
Salt Lake City, UT 84145

Subject: Notice of Agency Action – Newfield Production Company Cause No. UIC-387

To Whom It May Concern:

Enclosed is a copy of the referenced Notice of Agency Action. Please publish the Notice, once only, as soon as possible. Please notify me via e-mail of the date it will be published. My e-mail address is: [jsweet@utah.gov](mailto:jsweet@utah.gov).

Please send proof of publication and billing for **account #9001402352** to:

Division of Oil, Gas and Mining  
PO Box 145801  
Salt Lake City, UT 84114-5801

Sincerely,

Jean Sweet  
Executive Secretary

Enclosure

**From:** "Stowe, Ken" <kstowe@mediaoneutah.com>  
**To:** <jsweet@utah.gov>  
**Date:** 2/23/2012 12:36 PM  
**Subject:** Proof for Public Notice  
**Attachments:** OrderConf.pdf

AD# 770992  
Run SL Trib & Des News 2/27/12  
Cost \$250.28  
Please advise of any changes or reply with OK to publish  
Thank You  
Ken

## Order Confirmation for Ad #0000770992-01

<b>Client</b>	DIV OF OIL-GAS & MINING	<b>Payor Customer</b>	DIV OF OIL-GAS & MINING
<b>Client Phone</b>	801-538-5340	<b>Payor Phone</b>	801-538-5340
<b>Account#</b>	9001402352	<b>Payor Account</b>	9001402352
<b>Address</b>	1594 W NORTH TEMP #1210,P.O. BOX 145801 SALT LAKE CITY, UT 84114 USA	<b>Payor Address</b>	1594 W NORTH TEMP #1210,P.O. BOX SALT LAKE CITY, UT 84114

<b>Fax</b>	801-359-3940	<b>Ordered By</b>	<b>Acct. Exec</b>
<b>E-Mail</b>	earlenerussell@utah.gov	Jean	kstowe

<b>Total Amount</b>	<b>\$250.28</b>			
<b>Payment Amt</b>	<b>\$0.00</b>			
<b>Amount Due</b>	<b>\$250.28</b>	<b>Tear Sheets</b>	<b>Proofs</b>	<b>Affidavits</b>
		0	0	1
<b>Payment Method</b>		<b>PO Number</b>	UIC 387	

**Confirmation Notes:**

**Text:** Jean

<b>Ad Type</b>	<b>Ad Size</b>	<b>Color</b>
Legal Liner	2.0 X 73 Li	<NONE>

<b>Product</b>	<b>Placement</b>	<b>Position</b>
Salt Lake Tribune::	Legal Liner Notice - 0998	Public Meeting/Hear-ing Notices
<b>Scheduled Date(s):</b>	2/27/2012	
<b>Product</b>	<b>Placement</b>	<b>Position</b>
Deseret News::	Legal Liner Notice - 0998	Public Meeting/Hear-ing Notices
<b>Scheduled Date(s):</b>	2/27/2012	
<b>Product</b>	<b>Placement</b>	<b>Position</b>
sltrib.com::	Legal Liner Notice - 0998	Public Meeting/Hear-ing Notices
<b>Scheduled Date(s):</b>	2/27/2012	
<b>Product</b>	<b>Placement</b>	<b>Position</b>
utahlegals.com::	utahlegals.com	utahlegals.com
<b>Scheduled Date(s):</b>	2/27/2012	

**Ad Content Proof Actual Size**

**PUBLIC NOTICE**

BEFORE THE DIVISION OF OIL, GAS AND MINING  
DEPARTMENT OF NATURAL RESOURCES  
STATE OF UTAH  
NOTICE OF AGENCY ACTION  
CAUSE NO. UIC-387

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API 43-013-32999

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API 43-013-33106

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API 43-013-32598

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API 43-013-33105

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API 43-013-33167

Federal 9-24-9-16 well located in NE/4 SE/4, Section 24, Township 9 South, Range 16 East  
API 43-013-33338

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API 43-013-33342

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Dated this 21st day of February, 2012.

STATE OF UTAH  
DIVISION OF OIL, GAS & MINING

/s/  
Brad Hill  
Permitting Manager

770992

UPAXLP



GARY R. HERBERT  
Governor

GREGORY S. BELL  
Lieutenant Governor

# State of Utah

## DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
Executive Director

### Division of Oil, Gas and Mining

JOHN R. BAZA  
Division Director

April 10, 2012

Newfield Production Company  
1001 Seventeenth Street, Suite 2000  
Denver, CO 80202

Subject: Greater Monument Butte Unit Well: Federal 15-22-9-16, Section 22, Township 9 South, Range 16 East, SLBM, Duchesne County, Utah, API Well # 43-013-33167

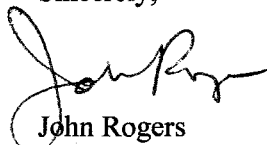
Gentlemen:

Pursuant to Utah Admin. Code R649-5-3-3, the Division of Oil, Gas and Mining (the "Division") issues its administrative approval for conversion of the referenced well to a Class II injection well. Accordingly, the following stipulations shall apply for full compliance with this approval:

1. Compliance with all applicable requirements for the operation, maintenance and reporting for Underground Injection Control ("UIC") Class II injection wells pursuant to Utah Admin. Code R649-1 et seq.
2. Conformance with all conditions and requirements of the complete application submitted by Newfield Production Company.
3. A casing\tubing pressure test shall be conducted prior to commencing injection.
4. Pressure shall be monitored between the surface casing and the production casing on a regular basis. Any pressure changes observed shall be reported to the Division immediately.
5. The top of the injection interval shall be limited to a depth no higher than 3,722 feet in the Federal 15-22-9-16 well.

A final approval to commence injection will be issued upon satisfactory completion of the listed stipulations. If you have any questions regarding this approval or the necessary requirements, please contact Mark Reinbold at 801-538-5333 or Brad Hill at 801-538-5315.

Sincerely,

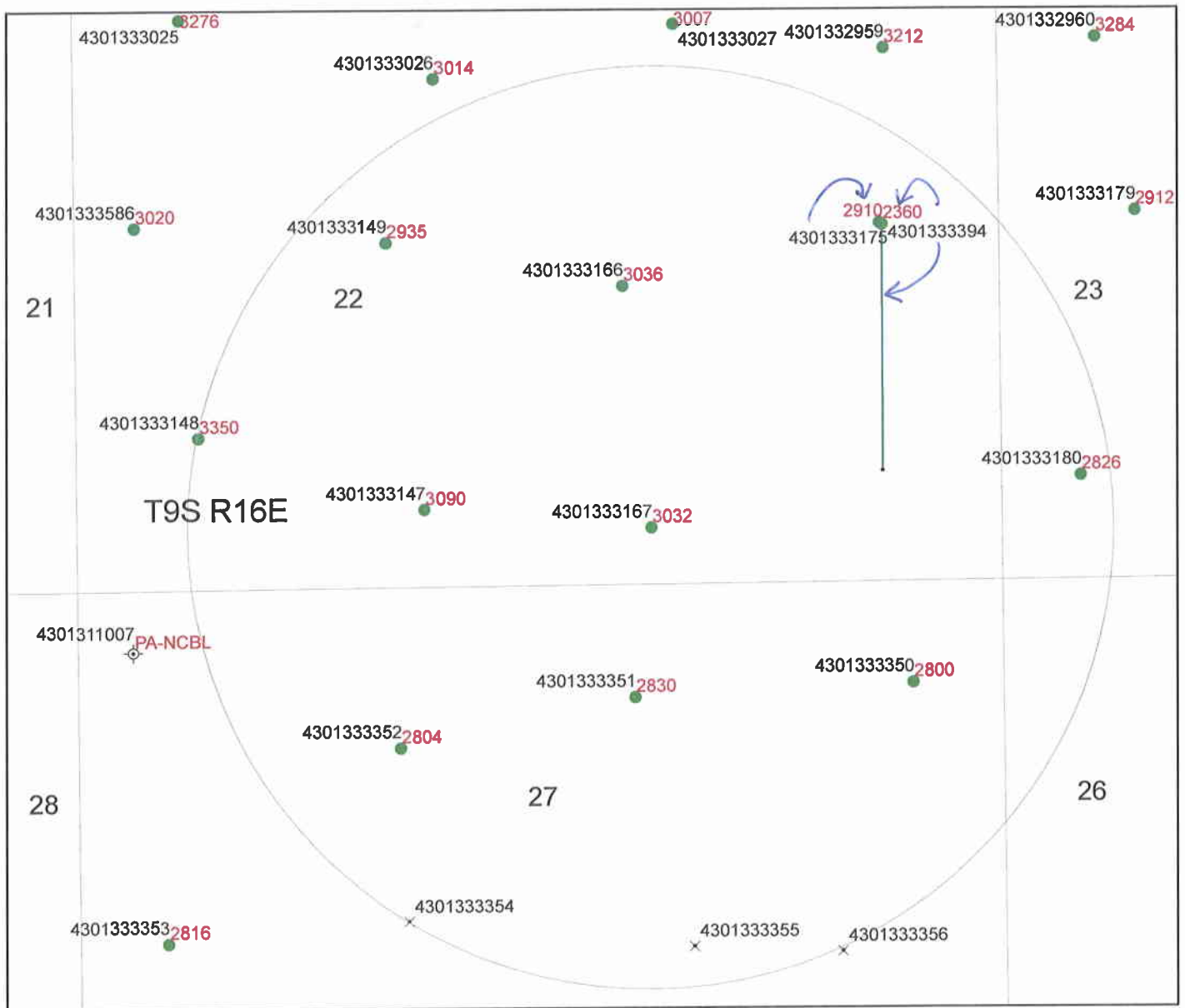
  
John Rogers  
Associate Director

JR/MLR/js

cc: Bruce Suchomel, Environmental Protection Agency  
Bureau of Land Management, Vernal  
Duchesne County  
Newfield Production Company, Myton  
Well File

N:\O&G Reviewed Docs\ChronFile\UIC





# Cement Bond Tops FEDERAL 15-22-9-16

API #43-013-33167

UIC-387.7

## Legend

Buffer\_of\_SGID93\_ENERGY\_DNROilGasWells\_38

SGID93.ENERGY.DNROilGasWells

GIS\_STAT\_TYPE

- APD
- ⊕ DRL
- ⚡ GIW
- ⊙<sub>GS</sub> GSW
- × LA
- LOC
- OPS
- ⊙ PA

- ⚡ PGW
- POW
- ▲ RET
- ⚡ SGW
- SOW
- ⊗ TA
- TW
- ⚡ WDW
- △ WIW
- WSW

SGID93.BOUNDARIES.Counties

• SGID93.ENERGY.DNROilGasWells\_HDBottom

— SGID93.ENERGY.DNROilGasWells\_HDPath

• Wells-CbltopsMaster02\_24\_12

0 0.4 Miles

1870calc = approx cement top calculated from well completion report



**DIVISION OF OIL, GAS AND MINING  
UNDERGROUND INJECTION CONTROL PROGRAM  
PERMIT  
STATEMENT OF BASIS**

**Applicant:** Newfield Production Company      **Well:** Federal 15-22-9-16

**Location:** 22/9S/16E      **API:** 43-013-33167

**Ownership Issues:** The proposed well is located on BLM land. The well is located in the Greater Monument Butte Unit. Lands in the one-half mile radius of the well are administered by the BLM. The Federal Government is the mineral owner within the area of review (AOR). Newfield and other various individuals hold the leases in the unit. Newfield has provided a list of all surface, mineral and lease holders in the half-mile radius. Newfield is the operator of the Greater Monument Butte Unit. Newfield has submitted an affidavit stating that all owners and interest owners have been notified of their intent.

**Well Integrity:** The proposed well has surface casing set at 316 feet and has a cement top at the surface. A 5½ inch production casing is set at 5,769 feet. The cement bond log is somewhat problematic but appears to demonstrate adequate bond in this well up to about 3,032 feet. A 2 7/8 inch tubing with a packer will be set at 5,567 feet. Higher perforations will be opened at a later date. A mechanical integrity test will be run on the well prior to injection. There are 11 producing wells in the AOR. All of the wells have evidence of adequate casing and cement for the proposed injection interval.

**Ground Water Protection:** As interpreted from Technical Publication No. 92, the base of moderately saline water is at a depth of approximately 3000 feet. Injection shall be limited to the interval between 3,722 feet and 5,715 feet in the Green River Formation. Information submitted by Newfield indicates that the fracture gradient for the 15-22-9-16 well is 0.82 psi/ft., which was the lowest reported fracture gradient for the injection zone. The resulting minimum fracture pressure for the proposed injection interval is 1,671 psig. The requested maximum pressure is 1,671 psig. The anticipated average injection pressure is 1100 psig. Injection at this pressure should not initiate any new fractures or propagate existing fractures in the adjacent confining intervals. Any ground water present should be adequately protected.

**Federal 15-22-9-16**

**page 2**

**Oil/Gas& Other Mineral Resources Protection:** The Board of Oil, Gas & Mining approved the Greater Monument Butte Unit on December 1, 2009. Correlative rights issues were addressed at this time. Previous reviews in this area indicate that other mineral resources in the area have been protected or are not at issue.

**Bonding:** Bonded with the BLM

**Actions Taken and Further Approvals Needed:** A notice of agency action has been sent to the Salt Lake Tribune and the Uinta Basin Standard. A casing/tubing pressure test will be required prior to injection. It is recommended that approval of this application be granted.

Note: Applicable technical publications concerning water resources in the general vicinity of this project have been reviewed and taken into consideration during the permit review process.

Reviewer(s): Mark Reinbold

Date 2/24/2012

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-74392
<b>1. TYPE OF WELL</b> Oil Well		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>  
<b>2. NAME OF OPERATOR:</b> NEWFIELD PRODUCTION COMPANY		<b>7. UNIT or CA AGREEMENT NAME:</b> GMBU (GRRV)
<b>3. ADDRESS OF OPERATOR:</b> Rt 3 Box 3630, Myton, UT, 84052		<b>8. WELL NAME and NUMBER:</b> FEDERAL 15-22-9-16
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0355 FSL 1987 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SWSE Section: 22 Township: 09.0S Range: 16.0E Meridian: S		<b>9. API NUMBER:</b> 43013331670000
<b>PHONE NUMBER:</b> 435 646-4825 Ext		<b>9. FIELD and POOL or WILDCAT:</b> MONUMENT BUTTE
<b>COUNTY:</b> DUCHESNE		<b>STATE:</b> UTAH
<b>11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA</b>		
<b>TYPE OF SUBMISSION</b>	<b>TYPE OF ACTION</b>	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL NAME <input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 12/4/2012 <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input checked="" type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> DEEPEN <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> PLUG BACK <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> APD EXTENSION <input type="checkbox"/> WILDCAT WELL DETERMINATION <input type="checkbox"/> OTHER: <input style="width: 100px;" type="text"/>	
<b>12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.</b> The subject well has been converted from a producing oil well to an injection well on 12/03/2012. On 12/03/2012 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 12/04/2012 the casing was pressured up to 1820 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 0 psig during the test. There was a State representative available to witness the test - Chris Jensen.		
<b>NAME (PLEASE PRINT)</b> Lucy Chavez-Naupoto		<b>PHONE NUMBER</b> 435 646-4874
<b>SIGNATURE</b> N/A		<b>TITLE</b> Water Services Technician
<b>DATE</b> 12/10/2012		<b>Accepted by the Utah Division of Oil, Gas and Mining</b>  <b>Date:</b> December 24, 2012 <b>By:</b>



# Mechanical Integrity Test Casing or Annulus Pressure Test

Newfield Production Company

Rt. 3 Box 3630

Myton, UT 84052

435-646-3721

Witness: Chris Jensen Date 12/4/12 Time 12:30 am pmTest Conducted by: RN 1/4 B 1/4

Others Present: \_\_\_\_\_

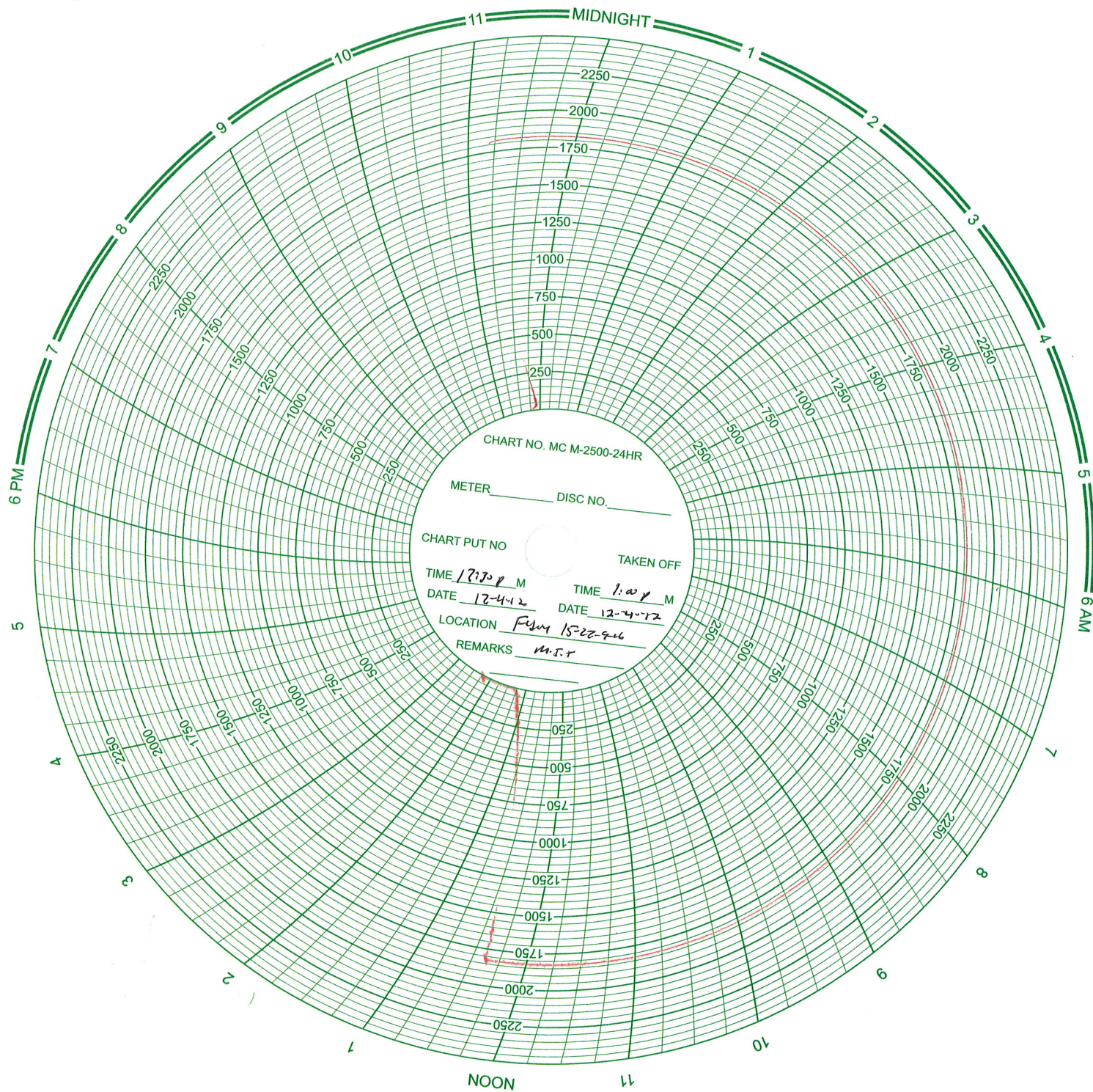
Well: Fedora 15-22-9-14Field: Monument ButteWell Location: Fedora 15-22-9-14API No: 4301333167

<u>Time</u>	<u>Casing Pressure</u>	
0 min	<u>1820</u>	psig
5	<u>1820</u>	psig
10	<u>1820</u>	psig
15	<u>1820</u>	psig
20	<u>1820</u>	psig
25	<u>1820</u>	psig
30 min	<u>1820</u>	psig
35	_____	psig
40	_____	psig
45	_____	psig
50	_____	psig
55	_____	psig
60 min	_____	psig

Tubing pressure: 0 psigResult: Pass Fail

Signature of Witness: \_\_\_\_\_

Signature of Person Conducting Test: \_\_\_\_\_





**Daily Activity Report****Format For Sundry****FEDERAL 15-22-9-16****9/1/2012 To 1/30/2013****11/29/2012 Day: 1****Conversion**

Stone #10 on 11/29/2012 - MIRU, flush rods with 35 BBLs - 2:00pm road rig to loc + rig up, R/D horse head Pull 6k over string WT, L/D 2 Rods. Pump 5 bbls down tbg pressure up to 1600 psi soft seat Blow hole in tbg @ 3000psi, Flush rods W/35 bbls. L/D 38 4per 3/4" rods P/U Polish rod.

**Daily Cost:** \$0**Cumulative Cost:** \$12,915

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**11/30/2012 Day: 2****Conversion**

Stone #10 on 11/30/2012 - 40 4PER 3/4" RODS, 6 WT BARS, & PUMP. W/ 60 BBL ROD FLUSH L/D 63 4PER 3/4" RODS, 76 SLK 3/4" RODS POOH BREAK & DOPE EVERY COLLAR W/ 142 JTS TBG. L/D 38 JTS TBG, TA, 1 JT TBG, SN, 1 JT TBG, 2' PUP JT, SILVER HOG SUB, 8' PERF PUP - CREW TRAVEL SM ON L/D RODS, 40 4PER 3/4" RODS, 6 WT BARS, & PUMP. W/ 60 BBL ROD FLUSH L/D 63 4PER 3/4" RODS, 76 SLK 3/4" RODS, R/D WELLHEAD. N/U BOP. R/U FLOOR. RELEASE TA, POOH BREAK & DOPE EVERY COLLAR W/ 142 JTS TBG. L/D 38 JTS TBG, TA, 1 JT TBG, SN, 1 JT TBG, 2' PUP JT, SILVER HOG SUB, 8' PERF PUP JT, & NC. W/ 50 BBL TBG FLUSH. TIH W/ INJECTION PKR ASSEMBLY & 60 JTS TBG. EOT @ 1869, SIWFW 1 HR CREW TRAVEL

**Daily Cost:** \$0**Cumulative Cost:** \$19,583

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**12/3/2012 Day: 3****Conversion**

Stone #10 on 12/3/2012 - TOH breaking and doping every collar - Flush rods w/20 bbls. 40 63 4per 3/4, 76 slk 3/4, 40 4 per 3/4, 6 wt bars, pump w/60 bbls rod flush. R/D wellhead, NU bops, R/U floor, release TA. POOH breaking and doping every collar w/142 jts tubing. L/D 38 jts tbg, TA, 1 Jt tbg, SN, 1 jt tbg, 2' pup jt, silver hog sub, 8' perf pup jt. TIH w/packer assembly, + 60 jts tbg. EOT @ 1869.

**Daily Cost:** \$0**Cumulative Cost:** \$26,601

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**12/4/2012 Day: 4****Conversion**

Stone #10 on 12/4/2012 - pressure test tubing and casing - 5:30am 6:30am ct- sm- 7am flush tbg 20bw w/ho- drop st vlv- prs tst tbg 4000psi- gt- 5bw to fill- rih 80jts w/bha- 142jts- s/n- rh- pkr- xo- 4'pup- xnn- re entry- 8:15am prs tst tbg 3000psi- 3bw to fill- tst for 1hr- lost 100psi- 9:15am prs up to 3260psi- 10:45am final tst 3220psi- gt- r/u & rih sl w/ovrsht- fish st vlv- n/d Weatherford bop- 11:45am n/u wh- flush csg 40bw w/pkr fluid- n/d wh- set pkr 15k- c/e @ 4378'- 12:30am n/u wh- prs tst csg 1700psi- 3bw to fill- 2pm final tst 1680psi- gt- r/d- 3pm r/r-

**Daily Cost:** \$0**Cumulative Cost:** \$32,309

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**12/5/2012 Day: 5****Conversion**

Rigless on 12/5/2012 - Conduct initial MIT - On 12/03/2012 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 12/04/2012 the casing was pressured up to 1820 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 0 psig during the test. There was a State representative available to witness the test - Chris Jensen. **Finalized**

**Daily Cost:** \$0

**Cumulative Cost:** \$121,143

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**Pertinent Files:** [Go to File List](#)

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-74392
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<b>2. NAME OF OPERATOR:</b> NEWFIELD PRODUCTION COMPANY		<b>7. UNIT or CA AGREEMENT NAME:</b> GMBU (GRRV)
<b>3. ADDRESS OF OPERATOR:</b> Rt 3 Box 3630, Myton, UT, 84052		<b>8. WELL NAME and NUMBER:</b> FEDERAL 15-22-9-16
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0355 FSL 1987 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SWSE Section: 22 Township: 09.0S Range: 16.0E Meridian: S		<b>9. API NUMBER:</b> 43013331670000
<b>PHONE NUMBER:</b> 435 646-4825 Ext		<b>9. FIELD and POOL or WILDCAT:</b> MONUMENT BUTTE
<b>COUNTY:</b> DUCHESNE		<b>STATE:</b> UTAH
<b>11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA</b>		
<b>TYPE OF SUBMISSION</b>	<b>TYPE OF ACTION</b>	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL NAME <input checked="" type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input checked="" type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> DEEPEN <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> PLUG BACK <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> WILDCAT WELL DETERMINATION <input type="checkbox"/> OTHER	
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 5/8/2013	<input type="checkbox"/> SPUD REPORT Date of Spud:	
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/>	
<b>12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.</b> <div style="text-align: center; margin-top: 20px;">         The above reference well was put on injection at 9:30 AM on          05/08/2013.       </div> <div style="text-align: right; margin-top: 20px;"> <b>Accepted by the          Utah Division of          Oil, Gas and Mining          FOR RECORD ONLY          May 08, 2013</b> </div>		
<b>NAME (PLEASE PRINT)</b> Lucy Chavez-Naupoto	<b>PHONE NUMBER</b> 435 646-4874	<b>TITLE</b> Water Services Technician
<b>SIGNATURE</b> N/A	<b>DATE</b> 5/8/2013	

Spud Date: 4/17/2007  
Put on Production: 6-18-2007  
GL: 5846' KB: 5858'

## Federal 15-22-9-16

### Injection Wellbore Diagram

#### SURFACE CASING

CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 7 jts (304.31')  
DEPTH LANDED: 316.16' KB  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 160 sxs Class "G" cmt, est 5 bbls cmt to surf

#### PRODUCTION CASING

CSG SIZE: 5-1/2"  
GRADE: J-55  
WEIGHT: 15.5#  
LENGTH: 133 jts (5764.96')  
DEPTH LANDED: 5768.96' KB  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 325 sxs Prem Lite II mixed & 425 sxs 50/50 POZ  
CEMENT TOP AT: Surface'

#### TUBING

SIZE/GRADE/WT: 2-7/8" / J-55 / 6.5#  
NO. OF JOINTS: 142 jts (4360.1')  
SEATING NIPPLE: 2-7/8" (1.10')  
SN LANDED AT: 4372.1' KB  
ON/OFF TOOL AT: 4373.2'  
SEAL NIPPLE LANDED AT: 4374.6' KB  
ARROW #1 PACKER CE AT: 4378.09'  
XO 2-3/8 x 2-7/8 J-55 AT: 4381.9'  
TBG PUP 2-3/8 J-55 AT: 4382.4'  
X/N NIPPLE AT: 4386.5'  
TOTAL STRING LENGTH: EOT @ 4388'

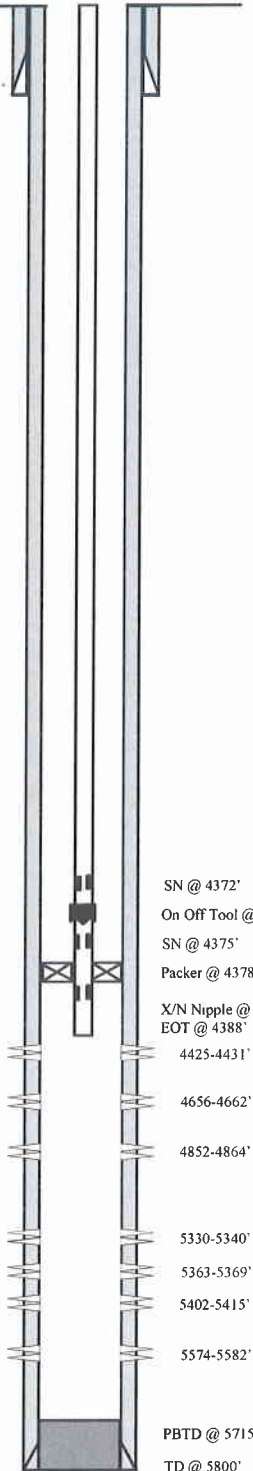
#### FRAC JOB

06-11-07	5574-5582'	<b>Frac CP5 sands as follows:</b> 19614# 20/40 sand in 325 bbls Lightning 17 frac fluid. Treated @ avg press of 2433 psi w/avg rate of 24.8 BPM. ISIP 2430 psi. Calc flush: 5572 gal. Actual flush: 5124 gal.
06-11-07	5330-5415'	<b>Frac CP3, CP2, &amp; CP1 sands as follows:</b> 34912# 20/40 sand in 403 bbls Lightning 17 frac fluid. Treated @ avg press of 2224 psi w/avg rate of 24.8 BPM. ISIP 1976 psi. Calc flush: 4328 gal. Actual flush: 4872 gal.
06-11-07	4852-4864'	<b>Frac A1 sands as follows:</b> 19473# 20/40 sand in 287 bbls Lightning 17 frac fluid. Treated @ avg press of 1777 psi w/avg rate of 24.8 BPM. ISIP 1860 psi. Calc flush: 4850 gal. Actual flush: 4410 gal.
06-11-07	4656-4662'	<b>Frac B1 sands as follows:</b> 14664# 20/40 sand in 237 bbls Lightning 17 frac fluid. Treated @ avg press of 1924 w/ avg rate of 24.8 BPM. ISIP 1720 psi. Calc flush: 4654 gal. Actual flush: 4200 gal.
06-11-07	4425-4431'	<b>Frac D1 sands as follows:</b> 22099# 20/40 sand in 274 bbls Lightning 17 frac fluid. Treated @ avg press of 2182 w/ avg rate of 24.8 BPM. ISIP 1700 psi. Calc flush: 4423 gal. Actual flush: 3948 gal.
7/23/07		<b>Pump change</b> Updated rod & tuning detail
05/29/08		<b>Pump change</b> Updated rod and tubing detail
5/11/09		<b>Tubing Leak</b> Updated r & t details
12/03/12		<b>Convert to Injection Well</b>
12/04/12		<b>Conversion MIT Finalized</b> - update tbg detail

#### PERFORATION RECORD

06-07-07	5574-5582'	4 JSPF	32 holes
06-11-07	5402-5415'	4 JSPF	52 holes
06-11-07	5363-5369'	4 JSPF	24 holes
06-11-07	5330-5340'	4 JSPF	40 holes
06-11-07	4852-4864'	4 JSPF	48 holes
06-11-07	4656-4662'	4 JSPF	24 holes
06-11-07	4425-4431'	4 JSPF	24 holes

**NEWFIELD**  
  
**Federal 15-22-9-16**  
355' FSL & 1987' FEL  
SW/SE Section 22-T9S-R16E  
Duchesne Co, Utah  
API # 43-013-33167; Lease # UTU-74392





GARY R. HERBERT  
Governor

GREGORY S. BELL  
Lieutenant Governor

# State of Utah

## DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
Executive Director

### Division of Oil, Gas and Mining

JOHN R. BAZA  
Division Director

## UNDERGROUND INJECTION CONTROL PERMIT


Cause No. UIC-387

**Operator:** Newfield Production Company  
**Well:** Federal 15-22-9-16  
**Location:** Section 22, Township 9 South, Range 16 East  
**County:** Duchesne  
**API No.:** 43-013-33167  
**Well Type:** Enhanced Recovery (waterflood)

### Stipulations of Permit Approval

1. Approval for conversion to Injection Well issued on April 10, 2012.
2. Maximum Allowable Injection Pressure: 1,671 psig
3. Maximum Allowable Injection Rate: (restricted by pressure limitation)
4. Injection Interval: Green River Formation (3,722' – 5,715')
5. Any subsequent wells drilled within a ½ mile radius of this well shall have production casing cement brought up to or above the top of the unitized interval for the Greater Monument Butte Unit.

Approved by:

  
John Rogers  
Associate Director

1/3/13  
Date

JR/MLR/js

cc: Bruce Suchomel, Environmental Protection Agency  
Bureau of Land Management, Vernal  
Eric Sundberg, Newfield Production Company, Denver  
Newfield Production Company, Myton  
Duchesne County  
Well File

N:\O&G Reviewed Docs\ChronFile\UIC

